

**BY ORDER OF THE COMMANDER
86TH AIRLIFT WING**

RAMSTEIN AIR BASE INSTRUCTION 23-104

5 AUGUST 2013

Materiel Management

***ROAD TRANSPORTATION OF HAZARDOUS
MATERIAL ON AND OFF RAMSTEIN AB***



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This instruction implements and extends Air Force Policy (AFPD) 23-1, *Material Management*, and USAFEI23-104, *USAFE Command Dangerous Goods Program*. It provides guidance for on- and off-base transportation of regulated amounts of dangerous goods, hazardous material and hazardous waste (DG/HM/HW), as defined in 29 CFR, 40 CFR, 49 CFR 172.101, Chap 3.2, table A, ADR, *European Agreement Concerning the International Carriage of Dangerous Goods by Road* and CLP, *Classification, Labeling and Packaging Directive (EC 1272/200)*. In context of this instruction, the term hazardous material (HM) also includes material classified as 'hazardous waste (HW)' or 'dangerous goods (DG)', unless stated otherwise. The requirements of Title 49, *Code of Federal Regulation CFR*, DTR 4500.9R, *Defense Transportation Regulation* and ADR have been incorporated into this Airlift Wing Instruction. This instruction applies to all Air Force and tenant units, military and civilian personnel, transporting DG/HM/HW on- or off-Ramstein Air Base (incl. GSUs). It does not apply to pure on-base transportation of ammunition and explosives, and operations in restricted areas of munitions storage, aerial ports or flight lines. The IDGA office will review the instruction annually to ensure accuracy of the document. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through Major Command (MAJCOM) publications/forms managers. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363,

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Chapter 1

TRANSPORTATION OF HAZARDOUS MATERIAL (HM)

1.1. Purpose and Overview. This instruction is based on USAFEI 23-104, Command Dangerous Goods Program (CDGP) Para 3.2, implementing the Ramstein AB Installation Dangerous Goods Program (IDGP). It applies to all units/sections having a requirement to move HM/HW/CW to off base destinations, on the installation or in areas other than the restricted areas of munitions storage, aerial ports or flight lines. Defense Transportation Regulation (DTR) DOD 4500.9R, Chap 204, Para C 2 directs services to comply with applicable Status of Forces Agreements (SOFA) and host nation (HN) requirements when moving hazardous material off-the-installation by commercial surface or air transportation mode. IAW CDGP, Para 3.2 the Installation Commander determines the requirements for on-installation transportation of regulated amounts of hazardous material, as defined in this instruction. On-installation transportation of HM/HW/CW applies to roads controlled by the installation and access to the road is restricted at all times through the use of gates and/or guards. With the exemption of the Chapter 10, unless stated otherwise, all chapters and attachments of this instruction apply to off-base transportation of HM. This publication may not be supplemented or altered. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through the appropriate functional chain of command. Specific to Germany, the supplementary agreement (SA) to the SOFA, article 57, section 3 regulates a force and a civilian component must observe the regulations on the transport of hazardous material. The USAFE CDGP is the coordinated standard with the German MOD on how USAFE units stationed in Germany implement these regulations.

1.2. Responsibilities and duties. Responsibilities and duties of Commanders, Dangerous Goods Advisors (DGAs) and functional elements (e.g. Shippers, Carriers, Certifiers) of units transporting HM are prescribed in the USAFE Command Dangerous Goods Program (CDGP), USAFEI 23-104. Squadrons assigned to 86AW, including GSUs, and tenant units stationed on Ramstein AB with responsibilities and duties according to CDGP are listed in attachment 22. This list will be reviewed and updated by the IDGA annually, based on information gained during mandatory inspections. In general, all personnel involved in activities relating to the movement of HM/HW/CW must ensure all safety requirements are met. Commanders of tenant units may implement their own instruction to organize the duties and responsibilities identified in the CDGP and as directed and coordinated within their own command structure. **Note:** The premises identified in section 1.1. of this OI in relation to the SA, article 57, cannot be modified w/o coordination through the USAFE CDGPM.

1.2.1. Installation Commander. The overall responsibility for the transportation of HM/HW/CW rests with 86th AW/CC.

1.2.2. Unit Commanders. Unit Commanders appointed to manage the program on behalf of the Installation Commander will ensure assigned personnel comply with obligations and provisions prescribed in the USAFE Command DG Program (CDGP), USAFEI 23-104, and this instruction.

1.2.3. Dangerous Goods Advisors (DGAs).

1.2.3.1. The Installation DGA (IDGA) manages the implementation and execution of the USAFE CDGP on Ramstein AB IAW section 4 of USAFE 23-104. In this capacity the IDGA consults to the Installation Commander and subordinate units and is responsible implementing the local policy regarding preparing, moving, receiving, training, and monitoring the DG program. The IDGA office is assigned to 86 LRG; Location bldg 2126, DSN 480-5530. Primary and alternate IDGA provide on call duty to support on-scene commanders in case of an incident according to KMC Hazardous Materials Emergency Response Plan and to assist Units in case of a HM/HW/CW related movement accident or incident. Contact Fire Department Dispatch Office at DSN 480-7683 if IDGA assistance is required after regular duty hours or on weekends.

1.2.3.2. Unit DGAs (UDGA), appointed at Flight, Squadron or Group level, are executing the USAFE Command Dangerous Goods Program on behalf of the Unit Commander. Unit Commanders still remain ultimately responsible. **Attachment 23** provides a self-inspection checklist to be used by UDGA's to ensure general compliance with the CDGP. CDGP related documents shall be filed in single binder(s) as structured and described in **Attachment 24**. **Note:** Names and contact information of the IDGA and UDGA must be posted on the safety board of every unit handling hazardous material.

1.3. Scope. Surface movements of Hazardous Materials, on or off Ramstein Air Base, must comply with the safety provisions set forth in this instruction and to the provisions of the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR), and EC 1272/2008, Classification, Labeling and Packaging (CLP). This instruction does not apply to on-base transportation of explosives or ammunition. For the movement of ammunition and explosives refer to AFMAN 91-201 and corresponding USAFE Sup1. In areas where the Defense Transportation Regulation (DTR), Part II (DOD 4500.9-R) is more stringent than ADR, DTR Part II applies for movements of Hazardous Materials on the installation. **Note:** Organizations moving dangerous goods or hazardous waste on Ramstein Air Base must keep a current copy of the ADR on file in the unit. The most current version of the ADR (PDF file) may be downloaded from the following web-site: <http://www.unece.org/trans/welcome.html>

Chapter 2

PREPARATION AND CARRIAGE OF HAZARDOUS MATERIAL

2.1. Sequence of Operations. Units releasing HM for transportation will comply with the following steps: Note: *Applicability Codes: 1= Shipper/Consignor, 2= Certifier, 3= Packer, 4= Loader/Filler/ Unloader, 5= Carrier, 6= Driver, 7= Consignee/Receiver (see Part 2, CDGP for obligation details).

2.1.1. **Step 1 – Training.** Unit Commanders will ensure only qualified personnel, trained and appointed according to Chapter 6 will be used for preparation and movement of HM. Personnel must be trained before working preparation or movement activities.

2.1.2. **Step 2 – Identify Material (*1, 2).** Determine if property is hazardous and ensure HM is authorized for transport. Proper information may be obtained from one of the following data files/sources:

2.1.2.1. Manufacturer, Shipper, Ordering Party of the Shipper

2.1.2.2. HMIRS (Hazardous Material Information Resource System)

2.1.2.3. EESOH-MIS (Enterprise Environmental Safety and Occupational Health-Management system)

2.1.2.4. MSDS (Material Safety Data Sheets) or SDS (European Safety Data Sheets)

2.1.2.5. JHCS (Joint Hazardous Classification System)

2.1.2.6. Technical Directives or Orders

2.1.2.7. IHC (Interim Hazard Classification). In case items are moved under an IHC internationally for the purpose of testing by NATO or DOD agencies outside the US, the IHCs issued by DOD agencies listed in *DTR Part II, Ch 204*, must be verified by the host nation competent authority (HNCA). Units must be prepared to pay for the approval document of the HNCA. The IHC CA verification process is identified in the CDGP. **Note:** IHCs are only authorized for movement of the item within the United States via Surface mode for the purpose of testing.

2.1.2.8. European Waste Catalog (EWC) – (HW/CW only)

2.1.2.9. Organization of Economic Cooperation and Development (OECD) Code for HW. For hazardous waste the waste monitors will maintain an USAFE Form 1930. **Note:** Units will ensure that Safety Data Sheets (SDSs) conforming to EC directive 453/2010 are maintained for hazardous material on stock (MSDSs are also authorized if adjusted according to the above directive).

2.1.3. **Step 3 – Identify Contents of HM (*1, 2).** Copy the following information from appropriate data files to determine proper packaging and movement requirements in *Part 3, Table A, ADR*:

2.1.3.1. UN Number (always required)

2.1.3.2. Proper Shipping Name

2.1.3.3. Class or Classification Code (if assigned)

2.1.3.4. Technical Name (if required)

2.1.3.5. Packaging Group (if assigned)

2.1.3.6. EWC-Code and Type of Waste (HW only) **Note a:** Contact Unit or Installation DGA for assistance if UN number identified is not listed in *Part 3; Table A, Column (1), ADR*. **Note b:** For substances produced after 1 Dec 2010 ensure the hazardous material identification conforms to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging (CLP) of substances and mixtures. Substances produced prior to 1 Dec 2010 must comply with CLP regulation starting 1 Dec 2012. See Chapter 8 for details.

2.1.4. **Step 4 - “Shipment Planning”** (*1, 2). Use information obtained through Steps 2-3 to determine item specific requirements/provisions prescribed in the Dangerous Goods List of *Chap 3.2, Table A, ADR*. *Columns 1-20, Table A, ADR* provides necessary information required for the packaging, labeling, marking and carriage of HM. Identify waivers, exemptions, limited and excepted quantity limits (*Column 7a, 7b and 15*) that may partially or totally exempt HM from the requirements of ADR. Checklists shown in **Attachments 3-10** may be used by the shippers/consignors/loaders or carriers of HM to ensure system compliance.

2.1.5. **Step 5 – Packaging** (*1, 3). Prepare HM for surface road transportation. Type of package, packaging requirements, marking and labeling must comply with:

2.1.5.1. Consignment procedures described in *Parts 4, 5 & 6, ADR* or;

2.1.5.2. CLP marking requirements described in Chapter 8 of this instruction;

2.1.5.3. Appropriate airlift regulation (i.e. *IATA or AFMAN 24-204*), if material is moved in a transportation chain (*IAW 1.1.4.2, ADR*)

2.1.6. **Step 6 – Documentation**. Prepare transport documents and other supporting documents in accordance with Chapter 7 of this instruction.

2.1.7. **Step 7 – Miscellaneous Equipment and Fire-Extinguishers** (*5). Every vehicle loaded with HM must be furnished with fire extinguishers for inflammability classes A, B, C and equipment as defined in Chapter 5, Tables 5.1 and 5.2 of this instruction.

2.1.8. **Step 8 – Compatibility** (*4, 6) Packages bearing different danger labels may only be loaded together in the same vehicle or container if permitted by compatibility tables outlined in *Ch. 7.5, ADR*.

2.1.9. **Step 9 – Type of vehicles** (*4, 5). DOD non-tactical vehicles, tank-vehicles, trailers and semi-trailers that transport HM defined in *Table A, Ch. 3.2, ADR* must be in good structural and mechanical condition and authorized for carriage of HM according to DOD and established Air Force regulations/policies. Off-base restriction; only vehicles carrying an ADR certificate of approval (for Types FL, AT, OX, EXII or EX-III) according to *Part 9, ADR* may be used for the carriage of Class 1 (all ammunition or explosives exceeding the threshold limits in *Table 1.1.3.6, ADR*) or Class 3 (flammable liquids carried in tank-vehicles or tanks).

2.1.9.1. Only vehicles equipped with proper anchor points (e.g. to secure load with tie down equipment or chains) or equivalent load securing methods (barriers) will be used to transport packages containing HM/HW/CW.

2.1.9.2. POVs are not authorized for the carriage of HM/HW/CW unless explicitly authorized by the DOD Component HQ due to operational necessity. If a POV is used for official duty travel transporting HM/HW/CW the exemptions listed in the ADR for private persons will not apply.

2.1.9.3. Under no circumstances will packages containing HM/HW/CW requiring ventilation be carried in vehicle passenger compartment. If HM/HW/CW is moved in open passenger compartments, i.e. vans or busses, provided ventilation is not required, the packages must be secured IAW the safety principles for load securing.

2.1.9.4. Closed or sheeted vehicles must be used for the carriage of packages sensitive to moisture.

2.1.9.5. Open or ventilated vehicles/containers (ventilated: one 10x10 cm opening at the top front and one 10x10 cm opening at the rear end of the trailer) may be required to carry HM/HW/CW, if directed by the 'Special Provisions for Carriage' outlined in *Chap 3.2, Table A, Column ADR* (e.g. CV 36 or V14).

2.1.10. **Step 10 – Load Securing (*4, 6).** Packages containing HM/HW/CW must be securely fixed or packed in vehicles or containers to prevent movement or release of dangerous goods during transportation. AE 55-48, Blocking and Bracing for Motor Transport, Technical Orders (e.g. T.O. 11A-1-61-series), VDI 2700 series, MIL-STD 1386 series, or European or American Motor Carrier best load securing practices may be used to determine load securing (blocking and bracing techniques). Personnel applying load securing principles must be in the possession of the applicable training certificate.

2.1.11. **Step 11 – Placarding (Hazmat placards and orange-colored plates) (*4, 6, 7).** Tank-vehicles (including tank-vehicles, not drained and purged) and other transport units or large containers (ISOs and MILVANs) carrying HM exceeding threshold limits specified in *table 1.1.3.6.3, ADR* must be placarded, marked and furnished with orange-colored plates according to *Ch. 5.3, ADR*. Corresponding placards required for other modes of transport (including placards specified in CFR 49), with minor variations which do not affect the obvious meaning of the placards, are also acceptable. The placards may include text such as UN number or words describing the hazard (i.e. 'Flammable Liquid') provided the text does not obscure or detract from other required placard elements. Affixing an additional placard at the front of the tractor is optional. Cover or remove placards and orange-colored plates once vehicle is unloaded, clean and free of residues. **Note:** Tank vehicles or tank containers must be empty, drained and purged prior to removing placards and/or orange colored plates.

2.1.12. **Step 12 – Vehicle Crew (*5, 6).** Drivers of vehicles transporting HM in quantities exceeding the exemption limits prescribed in *1.1.3.6, ADR* must possess a valid ADR driver certificate according to paragraph 6.2.4.1 of this instruction and a drivers license required for the size and type of vehicles used for transportation. Prior to movement the consignor/carrier must brief the driver on the contents of the load and any necessary miscellaneous requirements, requirements concerning the supervision of transport units and emergency

procedures in case of vehicle breakdown, accident and/or accidental release of HM as described in Chapters 3 and 4 below.

2.1.13. Step 13 – Security (*1, 2, 3, 4, 5, 6, 7). Regardless of quantity, before releasing HAZMAT to driver(s), shipper/loader will verify the identity of the crew members. Therefore each member of the vehicle crew must carry an identification card which includes their photograph. See Chapter 4 for additional guidance.

2.2. Exemptions:

2.2.1. General ADR exemptions. Provisions laid down in ADR do not apply to the movement of HM in the situations enumerated below. Prior to taking action, shippers should consult the ADR to verify that a particular shipment meets the requirements for exemption. The following exemptions apply:

2.2.1.1. Private individuals; (*1.1.3.1.a., ADR*)

2.2.1.2. Machinery or equipment not otherwise specified in ADR; (*1.1.3.1.b., ADR*)

2.2.1.3. Carriage undertaken by units ancillary to their main activity; (*1.1.3.1.c., ADR*)

Note: See **Attachments 9 and 10** for checklists relating section *1.1.3.1.c., ADR*

2.2.1.4. Emergency Response Forces (i.e. Security Forces, Fire Depart.); (*1.1.3.1.d., ADR*)

2.2.1.5. Emergency transport intended to save human lives or to protect the environment (i.e. Ambulance vehicles); (*1.1.3.1.e., ADR*)

2.2.1.6. Certain un-cleaned empty static storage vessels; (*1.1.3.1.f., ADR*)

2.2.1.7. Gases in tanks of vehicles or equipment; (*1.1.3.2.a.b.d. and e., ADR*)

2.2.1.8. Certain gases of Groups A and O; (*1.1.3.2.c., ADR*)

2.2.1.9. Gases contained in foodstuff or beverages; (*1.1.3.2.f., ADR*)

2.2.1.10. Liquid fuels in tanks of vehicles; (*1.1.3.3, ADR*)

2.2.1.11. Empty and unclean packaging; (*1.1.3.5, ADR*) **Note:** Obey provisions described in sub-sections *1.1.3.1 – 1.1.3.3 and 1.1.3.5, ADR*; threshold limits must not be exceeded and special instructions be complied with! Regardless of HM quantity, loads must always be properly secured on vehicles to prevent any movement or release of dangerous goods during transportation.

2.2.2. Limited and excepted Quantities. Carriage of HM packed, marked, labeled according to Chapters 3.4 (Limited Quantities) or 3.5, ADR (Excepted Quantities) may be exempt from a majority of ADR provisions. Refer to column 7a and 7b, Chap 3.2, Table A and Tables 3.4.6 and 3.5.1.2, ADR to identify alphanumeric codes and maximum quantity limits relating carriage of HM in Limited Quantities (LQ) or Excepted Quantities (E).

2.2.3. Table 1.1.3.6, ADR. Carriage of loads (other than shipments in tanks/tank vehicles or break-bulk) not exceeding the exemption limits prescribed in 1.1.3.6, ADR may be exempt from following major ADR provisions:

2.2.3.1. *Chap 1.10; Security Provisions*

2.2.3.2. *Chap 5.3; Placarding and Marking of Containers and Vehicles*

2.2.3.3. *Section 5.4.3; Instructions in writing*

2.2.3.4. *Chap 7.2; Provisions concerning Carriage in Package. Note:* Special Provisions V5 & V8, *Chap 7.2, ADR still apply.*

2.2.3.5. *Part 8; partly exempt (see 1.1.3.6.2, ADR for details)*

2.2.3.6. *Section 8.1.4 & 8.1.5; Fire-fighting and Miscellaneous Equipment* (see Tables 5.1 & 5.2 of this instruction) **Note:** Only one 2 kg ‘ABC’ fire-extinguisher required for the transport unit. If special provision S2 (1), ADR applies to the movement of DG/HW, members of the crew must be equipped with corresponding portable lighting apparatus (flashlight).

2.2.3.7. *Chap 8.2; e.g. ‘ADR driver certificate’*

2.2.3.8. *Part 9; Requirements concerning the construction and approval of vehicles*

2.3. Hazardous Waste (HW)/Clinical Waste (CW).

2.3.1. Waste classified as Hazardous Waste may also be regulated by *CLP, ADR and ‘European Waste Catalog’ (EWC)*. Hazardous Wastes that are regulated by ADR must comply with all the movement provisions that apply to the carriage of ‘regular’ dangerous goods.

2.3.2. The primary office of responsibility for disposal of HW is 86 CES /CEAN (DSN 480-5085). *The Base Hazardous Waste Management Plan, 86AW/435ABW Plan 32-7043-A (U)* establishes overall strategy, delineates responsibilities and set forth specific objectives and procedures for properly managing HW generated by units. For CW.

2.3.3. Units generating hazardous waste may become shippers, consignors or even carriers (if organic assets are used for disposal) by regulation when moving/disposing HW/CW. The responsibilities of the functional elements (e.g. shipper/consignor) for units generating hazardous waste and the requirement to have unit HW movement plans implemented are described in Part 2, USAFEI 23-104.

2.3.4. HW/CW characterization and identification. Units generating hazardous waste will maintain completed copies of Hazardous Waste Profile Sheets (HWPS), USAFE Form 1930. 86 CES/CEAN, CW monitor appointed UDGA and IDGA will assist the units identifying HW properties IAW 2000/532/EC (waste list), Basel Convention, 40CFR (OECD rules), and CLP/ADR. HW monitors at HWSAs and HWAPs must be trained and appointed as Technical Expert (TE) for Hazardous Wastes. The unit HW monitor must ensure the HW profile sheets are current. When the unit deploys the unit commander must ensure the deployment team carries the HW profile sheets for the processes conducted at the deployment site. 86 CEAN (DSN 480-5086/CW monitor and IDGA (DSN 480-5530) may be contacted to assist with planning of HW disposal at the deployment site. The OECD color code amber requires a special permit and/or notification to the countries transited. The OECD code green can be moved like IAW the DG provisions. The special permit/notification must be obtained prior to offering the HW for movement. In country disposal at the deployment site can be organized through DRMS-E. Ensure DRMS-E is involved at the earliest point possible for that case.

2.3.5. Hazardous Waste/CW Generating Sites.

2.3.5.1. Units disposing HW/CW directly at the Centralized Hazardous Waste Storage Area (CHWSA), building 2028 must comply with all DG movement requirements outlined in this instruction. The individual generating site is responsible for proper packaging, labeling, marking, and preparing the USAFE Form 1930 (HWPS).

2.3.5.1.1. A copy of the HWPS used for carriage of HW from the HW generating site to HW Storage Area will be issued to the operator of CHWSA. Entries required in the Hazardous Waste Profile Sheet describing type and nature of HW will be supplemented by the assigned contract line item number (CLIN).

2.3.5.1.2. Package HW/CW in containers authorized by ADR. Use certified salvage containers to package damaged, defective or leaking dangerous goods packages, or dangerous goods that have spilled or leaked are placed for purposes of carriage and disposal.

2.3.5.2. HWAP/HWSA. Monitors/Managers of HWSAs or HWAP will:

2.3.5.2.1. Comply with HW/CW disposal procedures described in *Base Hazardous Waste Management Plan 32-7043-A(U) and Part 2, USAFEI23-104*.

2.3.5.2.2. Maintain inventory logs to record all HW/CW stored at their location. The content of the HW log is prescribed in *Appendix 1, Base HWMP 32-7043-A(U)*. Entries in the log require description and hazard class of the HW. The description of HW must correspond with the entries required in the HWPS (e.g. 'UN1230 Waste Methanol, 3 (6.1), PG II' or UN 1993 Waste Flammable Liquid, N.O.S. (toluene and ethyl alcohol), 3, PG II'). A copy of the HW inventory log or equivalent information shall be provided to CEAN prior to any pick up of HW by contractor.

2.3.5.2.3. Ensure HW/CW description and hazmat classes are assigned to individual CLIN numbers listed in cross-reference tables available at HWSA, HWAP and CEAN. CLIN numbers (versus in the clear HW description and class) may be used to provide 'HW pick-up' information to CEAN. CLP marking and identification requirements apply to shipments of HW. Units must ensure that Preventive- and Hazard Statements are added to the identification label, the GHS pictograms, and the signal words, as applicable.

2.3.5.2.4. Maintain completed copies of Hazardous Waste Profile Sheets, USAFE Form 1930 provided by hazardous waste generators.

2.3.5.2.5. Mark and label collecting containers according to CLP (Chapter 8 of this instruction) and Chapters 5.1 and 5.2 of ADR. Furthermore, containers (i.e. drums) used for the collection of hazardous waste must be marked with the appropriate six-digit EWC Code and waste description referenced in European Directive 2000/532/EG and Chapter 6 of the Environmental Final Governing Standard for Germany (FGS-GE).

Chapter 3

PROCEDURES FOR VEHICLE BREAKDOWN, ACCIDENTS AND ACCIDENTAL RELEASE OF HAZARDOUS MATERIAL.

3.1. General. An accidental or unauthorized release of hazardous materials may occur after vehicle accident or without warning during movement of HM due to improper/damaged packaging or insufficient load-securing. Vehicle crews will be briefed on emergency response requirements by the carrier prior to the journey.

3.2. Procedures. The following action should be taken by the vehicle crew in case on an incident/accident (not in priority order):

3.2.1. When possible, park the vehicle in safe area, clear of traffic and as far away as possible from inhabited buildings and populated areas.

3.2.2. Apply the parking brakes, stop the engine, turn off the battery master switch (if possible), turn on hazard warning lights and take actions as directed by Instructions in Writing (*section 5.4.3, ADR*) and/or as briefed by the carrier.

3.2.3. Secure trailers without braking devices with wheel chocks.

3.2.4. Display warning signs.

3.2.5. Provide first aid to people injured.

3.2.6. Use Personal Protective Equipment (PPE) as applicable.

3.2.7. If necessary tackle fire with fire-extinguisher.

3.2.8. If necessary contact Fire Department Emergency Responders for assistance (Phone 112).

3.2.9. If necessary contact security- or local police for assistance (Phone 110).

3.2.10. Identify HM that has been spilled or released – provide HM related information (i.e. UN Number, PSN, PG) to emergency responders.

3.2.11. Contact supervisor and Unit DGA for additional support and guidance ensuring compliance with KMC 10-2 Comprehensive Emergency Management Plan and KMC 32-4013, Hazardous Materials Emergency Response Plan.

3.2.12. If necessary request assistance from Installation DGA to act as advisor to the on-scene Commander for managing the safe movement of DG/HW from scene of accident/incident.

3.3. Accident Reports. UDGA's will prepare accident/incident reports on USAFE Form 61, according to USAFEI 23-104 and issue copies of the reports to the Installation DGA.

Chapter 4

SECURITY

4.1. Supervision of Vehicles. Any military vehicles carrying HM, regardless of quantity or volume (other than 'LQ' or 'E') must be supervised at all times. Vehicles may be left unattended if doors/gates to vehicle and loading compartment can be locked during parking in a secure area. Vehicles carrying HM in quantities or volumes exceeding 1.1.3.6, ADR threshold limits should not be parked next to inhabited buildings whenever possible.

4.2. High Consequence Dangerous Goods.

4.2.1. High consequence dangerous goods are defined as those which have a potential for misuse in a terrorist incident and which may, as a result, produce serious consequences such as mass casualties or mass destruction. Lists of high consequence dangerous goods are provided in *Table 1.10.5, ADR* and *49CFR, § 172.800*.

4.2.2. The security provisions for 'high consequence dangerous goods' provide measures of precautions to be taken to minimize theft or misuse of dangerous goods that may endanger persons, property or the environment. All participants engaged in the carriage of HM must comply with the provisions of *Chapter 1.10, ADR* if movement exceeds the threshold limits for high consequence HM as listed in *section 1.10.4 and 1.10.5, ADR* or *49CFR, § 172.800* (most stringent regulation must be applied). **Note:** See Figure 1 for *Chapter 1.10, ADR* application procedures.

4.3. Security Plan. Units moving high consequence DG must implement written security plans and train assigned personnel. The transportation security plan will include an assessment of possible HAZMAT transportation security risks. The security plan will include:

4.3.1. Personnel Security. A method to validate information provided by job applicants hired for positions that involve access to/handling of HM covered by the security plan.

4.3.2. Unauthorized Access. Measures to assess the risk of unauthorized persons gaining access to HM listed in the security plan or transport conveyances being prepared for transportation of the HM covered by the security plan.

4.3.3. En Route Security. Measures to assess the risk of HM shipments moving from origin to destination, including any temporary storage of the material while en route to destination.

4.3.4. Responsibility. Assign responsibilities for security to competent and qualified personnel.

4.3.5. Inventory. Records of dangerous goods or types of dangerous goods concerned.

4.3.6. Security Policy. Effective procedures for responding, reporting and dealing with security threats, breaches of security or security incidents.

4.3.7. Procedures for the evaluation and testing of security plans and procedures for periodic review and update of the plans.

4.3.8. Measures to ensure the physical security of transport information contained in the security plan.

4.3.9. Measures to ensure that the distribution of information relating to the transport operation contained in the security plan is limited to those who need to have it.

4.3.10. Clear statement of measures that are to be taken to reduce security risks, commensurate with the responsibilities and duties of the participants, including:

4.3.10.1. Security Training (see paragraph 6.2.5);

4.3.10.2. Equipment and resources used to reduce security risks (e.g. alarm system);

4.3.11. Security plan must be:

4.3.11.1. In writing;

4.3.11.2. Retained for as long as it remains in effect;

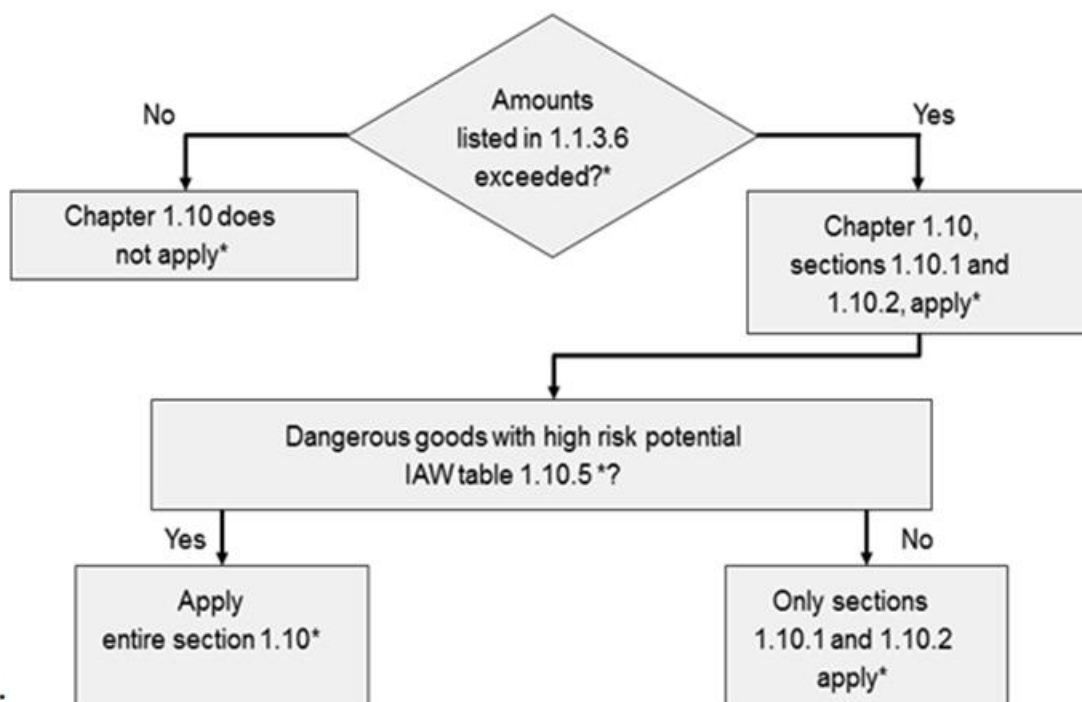
4.3.11.3. Available to employees responsible for implementing it, consistent with personnel security clearance/background investigation restrictions and employee's need to know;

4.3.11.4. Revised and updated, as necessary, to reflect changing risks, commodities, and circumstances;

4.3.11.5. Maintained as of the date of the most recent revision.

4.3.12. Draft copy of a security plan may be obtained from IDGA office upon request.

Figure 4.1. High Consequence DG – Decision Chart



NOTE: *ADR

Chapter 5

EQUIPMENT

5.1. Miscellaneous- and Personal Protection Equipment (PPE) is required for transport units that exceed the threshold limits prescribed in 1.1.3.6.3, ADR. Appropriate equipment may be selected from Table 5.1 below. The letter “X” at an intersection indicates the equipment required for a certain hazard class.

Table 5.1. Miscellaneous- and Personal Protective Equipment

Equipment / Danger Label (hazard class)	1.*	2.1	2.2	2.3	3	4.1	4.2	4.3	5.*	6.1	6.2	7	8	9
a. Wheel chock	X	X	X	X	X	X	X	X	X	X	X	X	X	X
b. Two self standing warning signs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
c. Fire Extinguisher(s)***	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D. Warning vest(s)**	X	X	X	X	X	X	X	X	X	X	X	X	X	X
E. A pair of protective gloves**	X	X	X	X	X	X	X	X	X	X	X	X	X	X
F. Eye Protection (goggles)**	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G. Portable Lighting apparatus (Flashlight)**	X	X	X	X	X	X	X	X	X	X	X	X	X	X
h. Emergency escape mask				X						X				
i. A shovel					X	X		X					X	X
j. A drain seal					X	X		X					X	X
k. A collecting container made of plastics					X	X		X					X	X

* Includes sub-classes etc. (e.g. 1.2 or 5.1)

** Required for each member of the vehicle crew

(see Special Provision S2(1), ADR for flashlight requirement)

*** see Table 5.2 for total numbers and volume of Fire-Extinguishers

5.2. Fire-Extinguishers. The number and total capacity of Fire-Extinguishers required on vehicles carrying HM is pending on the permissible mass of the transport unit (see Table 5.2.). These Fire extinguishers are subject to two year periodic technical inspection to guarantee functional safety. Extinguishers must comply with technical requirements of *section 8.1.4, ADR*.

Table 5.2. Fire-Extinguishers

Transport unit size*	Minimum # of fire extinguishers required	Total mass / all fire extinguishers**	Total mass / single fire extinguisher***
Carriage IAW "1.1.3.6.3"	1 x	2 kg	2 kg
<= 3.5 tons	2 x	4 kg	2 kg
> 3.5 - 7.5 tons	2 x	8 kg	6 kg
> 7.5 tons	2 x	12 kg	6 kg

* Maximum permissible mass of transport unit

** Minimum capacity of all fire extinguishers required for the transport unit

*** At least one of the fire extinguishers shall have the minimum capacity as outlined

Chapter 6

TRAINING

6.1. General Information. All persons employed by participants (i.e. Shippers, Consignee) as described in Part 2, USAFEI 23-104, whose duties concern the carriage of DG/HW, will receive training appropriate to their responsibilities and duties. Training must be completed before assuming responsibilities concerning the carriage of HM. Details of the training must be documented and kept on file for 5 years.

6.2. Types of Training **Note:** *Applicability Codes for Training Sources/Providers: 1 = OJT (Unit); 2 = IDGA Office; 3 = UDGA; 4 = 86 LRS; 5 = 86 CES/CEAN;

6.2.1. Awareness Training

6.2.1.1. **General awareness/familiarization training (*1, 3).** Personnel shall be familiar with the general requirements of the provisions for the carriage of hazardous material.

6.2.1.2. **Commander awareness training (*2).** See USAFEI 23-104, Para 3.5, 4.7 and 5.1. **Note:** UDGAs will coordinate the required awareness training for Unit Commanders through the IDGA office NLT 90 days after change of command.

6.2.2. **Safety training (*1, 3).** Commensurate with the degree of risk of injury or exposure arising from an incident involving the carriage of HM, including loading and unloading, personnel shall receive training covering the hazards and dangers presented by dangerous goods. The training provided shall aim to make personnel aware of the safe handling and emergency response procedures.

6.2.3. **Class 7, Radiation protection (*1, 3).** Any persons must receive appropriate training concerning radiation protection including precautions to be observed in order to restrict their occupational exposure and the exposure of other persons who might be affected by their actions.

6.2.4. Training of the Vehicle Crew.

6.2.4.1. **ADR Certificate (*2).** Drivers of vehicles carrying hazardous material in quantities exceeding table 1.1.3.6.3, *ADR* and drivers of tank-vehicles must possess an ADR driver certificate IAW *Chapter 8.2, ADR*, issued by competent authority (CA) of an ADR member state. The required ADR driver training may only be provided by licensed training schools. USAFE A4/7, CDGA office is licensed to provide or arrange ADR driver training (IAW CDGP lesson plan) for USAFE assigned personnel. All requests for ADR driver training must be routed through 86 FSS (civilian personnel) or unit training section (military personnel) to the IDGA office. IDGA will compile and submit request for training to CDGA. **Note:** Prerequisite: General vehicle driver license (as required)

6.2.4.2. **Other Drivers (*3).** Drivers of vehicles carrying HM in quantities not exceeding threshold limits specified in paragraph 2.2 must be trained according to 8.2.3, *ADR*.

6.2.5. Security training.

6.2.5.1. **Security awareness training (*1, 3, 4).** Each HAZMAT employee must receive training that provides an awareness of security risks associated with HAZMAT transportation designed to enhance transportation security. This training must include a component covering how to recognize/respond to possible security risks. DOD 4500.9-R-Part II (DTR) provides the following link for web-based security awareness training: http://www.phmsa.dot.gov/staticfiles/PHMSA/Hazmat/digipak/training_module.html

6.2.5.2. **In-depth security training (*1, 3).** Each unit required to have a security plan *IAW Chapter 1.10, ADR, Title 49 CFR 172.704 Subpart I* and DTR 4500.9-R, Para 204 will ensure personnel is trained concerning the security plan and its implementation.

6.2.6. **Function-specific training (*1, 3).** Personnel will receive detailed training, commensurate directly with their duties and responsibilities in the requirements of the regulations concerning the carriage of hazardous material. Where the carriage of hazardous material involves a multimodal transport operation, the personnel shall be made aware of the requirements concerning other transport modes. Unit training plans for function-specific training must cover responsibilities by function and mode, as referenced in USAFEI 23-104 and described in Para 6.3 of this Chapter.

6.2.7. **Hazardous Waste Program (*1, 5).** All personnel handling hazardous waste and their supervisors must receive and successfully complete HW training before working with HW. **Note:** Units possessing HW Storage Areas or Accumulation Points must ensure personnel responsible for the disposal of HW are certified as ADR Technical Experts as described in Para 6.2.11 below.

6.2.8. **Load securing (*1).** Personnel in charge of loading or monitoring loading of cargo (e.g. drivers, loaders) will be trained in proper techniques to prevent loads from moving vertically, laterally and horizontally. Load securing training (internal to the unit) may be provided by qualified individuals successfully completed course number DG YYYY-13 (Table 6.1) or equivalent class.

6.2.9. **UDGA training (*2).** Units moving, packing, loading, filling or unloading DG/HW must ensure Unit DGAs are trained and appointed according to USAFEI 23-104. **Note:** Prerequisites: NCO or civilian equivalent (Commanders may substitute/justify in writing)

6.2.10. **ADR/RID/IMDG-Code Certifiers (*2).** Units offering HM to the Defense Transportation System (DTS), European Movement Control System (EMCS) or entering public traffic with organic assets carrying HM must ensure Certifiers are trained and appointed according to USAFE 23-104 and specific mode regulations (RID/ADR/IMDG-Code). **Note:** Prerequisites: NCO or civilian equivalent (Commanders may substitute/justify in writing)

6.2.11. **ADR Technical Expert (*2, 3).** Training is required for units that identify and/or prepare HM/HW for a movement process. Technical specialist training is recommended for units which execute shipper or packer duties *IAW Para 8.3, 8.13 of USAFEI23-104.*

6.2.12. **ADR Technical Specialist (*2).** Training is required for units certifying HM/HW for deployment and for personnel certifying movement of HM/HW as part of their daily duties. The course may be tailored to the unit mission and inventory.

6.2.13. **Other duties or modes of transportation** may require additional training (e.g. IATA, AFM 24-204). Contact Installation DGA for more information.

6.3. Training Material. Attachments 11 – 20 may be used for the function specific training of personnel involved in the carriage of hazardous material (other than DGAs, Certifiers and ADR drivers). Training material is focusing on responsibilities by function and mode, as described in USAFEI23-104 and provides further guidance by identifying proper links to mode specific regulations.

6.4. Training Requests. Coordinate training subject with the unit training section (military personnel) or 86FSS (LN personnel) prior submitting requests for UDGA, Certifier training (for ADR/RID/IMDG-Code), ADR technical expert and ADR driver training to the IDGA office. Duration of initial/refresher training and validity of training courses are subject to lesson plans and may vary based on the mode of transportation. Contact IDGA office for details. See Table 6.1 for HQ USAFE standardized course numbers.

6.5. Documentation. Details of the internal training provided by the UDGA to personnel involved in the carriage of Hazardous Material must be recorded on Training Form ‘*Training of Persons involved in the Carriage of Dangerous Goods*’ (see [Attachment 21](#)) or equivalent document. Records of hazmat training must be kept on file for five years. Training must be periodically supplemented. As a minimum annual refresher training is mandatory to ensure knowledge of changes in regulation.

6.6. Appointment. Unit Commanders will appoint UDGAs and Certifiers in writing upon successful completion of relevant training. USAFE Form 67A or B, as appropriate, may be used to appoint personnel in writing. Drivers, Loaders/Fillers, Packers and Un-loaders do not require appointment, but must have a training certificate or documented training IAW Para 6.5.

Table 6.1. CDGP Training Program

Type Training	Course No	Subcategory
IDGA/UDGA	DG YYYY-01	IDGA (modular - contact CDGA for specifics)
	DG YYYY-02	UDGA (between 3 and 7 days)
CDG Workshop (annual)	DG YYYY-15	CDGA/IDGA/ Certifier/TE (3 days)
ADR driver	DG YYYY-03	Basic (2.5 Days)*
	DG YYYY-04	Tank (1 day)
	DG YYYY-05	Ammo (1 day)
	DG YYYY-06	Class 7
ADR driver refresher	DG YYYY-03A	2.5 days
ADR/RID Certifier	DG YYYY-07	Complete (7 days)
	DG YYYY-07 A (XX); replace XX with type hazard classes required	Partial. Specify: ** (min. 3 days)
IMDG-Code Certifier	DG YYYY-08	Complete
		Partial. Specify: **
AFMAN 24-204 IP	See AFJMAN 24-204 IP, Atch 25	none
ICAO-TI/IATA-DGR	DG YYYY-09 (contracted course)***	

Technical Expert Hazardous/Clinical Waste	DG YYYY-10A	ADR (3 days)
	DG YYYY-10B	IMDG (3 days)
ADR/RID/IMDG	DG YYYY-11	Complete (9 days)
Hazardous Material Management (Globally Harmonized System); CDGAs, IDGAs, HAZMART, CEANs	DG YYYY -12	2 - 5 days
Load Securing ****	DG YYYY -13	2 days
* Basic course is always required ** i.e. hazard class 3 and 9; or hazard class 1, 2, 4.1,6.1, 8 and 9 *** Specify category: i.e. Cat 1; 2; **** Can be requested in conjunction with ADR driver basic trng module		

Chapter 7

DOCUMENTATION

7.1. Hazardous Material Transport Document (*1, 2). If transport documents are required, prepare documents in accordance with Chapter 5.4, ADR and below instructions. Note: *See NOTE in paragraph 2.1 above for description of applicability codes.

7.1.1. No specific format is required for the HM Transport Document. Multi Modal Dangerous Goods Form (*section 5.4.5, ADR*), DD Form 1384 (TCMD), DD Form 2890 (DOD Multimodal Dangerous Goods Declaration) or equivalent forms may be used as transport documents provided corresponding ADR information is entered in proper sequence and German/English language. For the carriage and disposal of Hazardous Waste, units must use the European Version of the Hazardous Waste Profile Sheet, USAFE Form 1930. **Note:** If DD Form 2890 is used for the carriage of HM by road, replace referenced 24-Hour emergency assistance telephone number (unless shipment is marked for CONUS – carriage in a transport chain including maritime) with phone number for Unit DGA and/or Certifier.

7.1.2. Carriage in a transport chain including maritime or air carriage. Shipper's Declaration for Hazardous Material according to *IATA* or *AFM 24-204* or Multimodal Dangerous Goods Forms according to the *IMDG-Code* may also be used as Transport Documents for over the road transportation of HM to/from the Aerial- or Water Port, provided additional information required by ADR is also included. **Note:** For on base transportation of HM to/from the Aerial Port, the above described ADR information is not required in the Shipper's Declaration for Dangerous Goods.

7.2. Instructions in Writing (*5) Comply with *section 5. 4.3, ADR*. Issue written instructions in languages(s) each member of the vehicle crew (driver) understands. Members of the crew must be capable to carry out actions prescribed in written instructions in case of an accident or emergency. Copies of written instructions may be downloaded from the following web-site: http://www.unece.org/trans/danger/publi/adr/adr_linguistic_e.htm

7.3. DD Form 626, Motor Vehicle Inspection (*4)

7.3.1. Vehicles to be loaded with DG/HW must be inspected before and after loading.

7.3.2. Inspection requirements of DD Form 626 must be met at point of origin.

7.3.3. Requirements outlined in *section II, item 12.f. and 12g. DD FM 626* may be altered according to *Instructions in Writing and section 8.1.5, ADR*.

7.3.4. DD Forms 626 are only required for transport units that require placarding in accordance with *Chapters 5.3, ADR or IMDG-Code* (orange colored plates and/or 'hazard' placards). **Note:** All the above documents must be kept "within the reach" inside the cab of the vehicle.

7.4. Container/Vehicle Packing Certificate (*1,3,4)

7.4.1. Packing certificates conforming to *section 5.4.2 of ADR and IMDG-Code* shall be issued together with the transport documents when DGs are packed or loaded into large

containers (i.e. 20ft MILVANS) or vehicles (other than portable tanks/tank-containers), if shipped via sealift.

7.4.2. The information required in the transport document and the container/vehicle packing certificate may be incorporated into a single document. **Note:** Competent authority approvals (CAA) and routing permissions. See Chapter 11 of this instruction for additional procedures regarding off-Base transportation of hazardous material.

Chapter 8

CLASSIFICATION, LABELING AND PACKAGING OF CHEMICAL PRODUCTS (CLP)

8.1. General Information. European Directive EC/1272/2008 (CLP) regulates the classification, labeling and packaging of chemical mixtures and substances in the European Community. The requirement for hazard communication in the form of labeling during transport is based on Articles 1(6) and 33 of the CLP; as implemented by the EU COM Command Hazardous Material Management Program Advisory Note 01-11 and Attachment 8 of USAFEI23-104. **Note:** Not all the chemicals (substances and mixtures) that are listed in CLP are also regulated by ADR (and vice versa). Ensure corresponding Safety Data Sheets (SDS), with information regarding CLP and ADR, are on file.

8.2. Procedures. Comply with detailed information provided in attachment 8 of USAFE23-104 and the following general procedures.

8.2.1. Units with responsibilities for storing, preparing and moving chemical substances and mixtures must ensure a label with the following information is affixed on the package [CLP references (*Articles*) are cited after the description in *italic* letters]:

8.2.1.1. Hazard pictograms; *Article 19, CLP*

8.2.1.2. Signal Words; *Article 20, CLP*

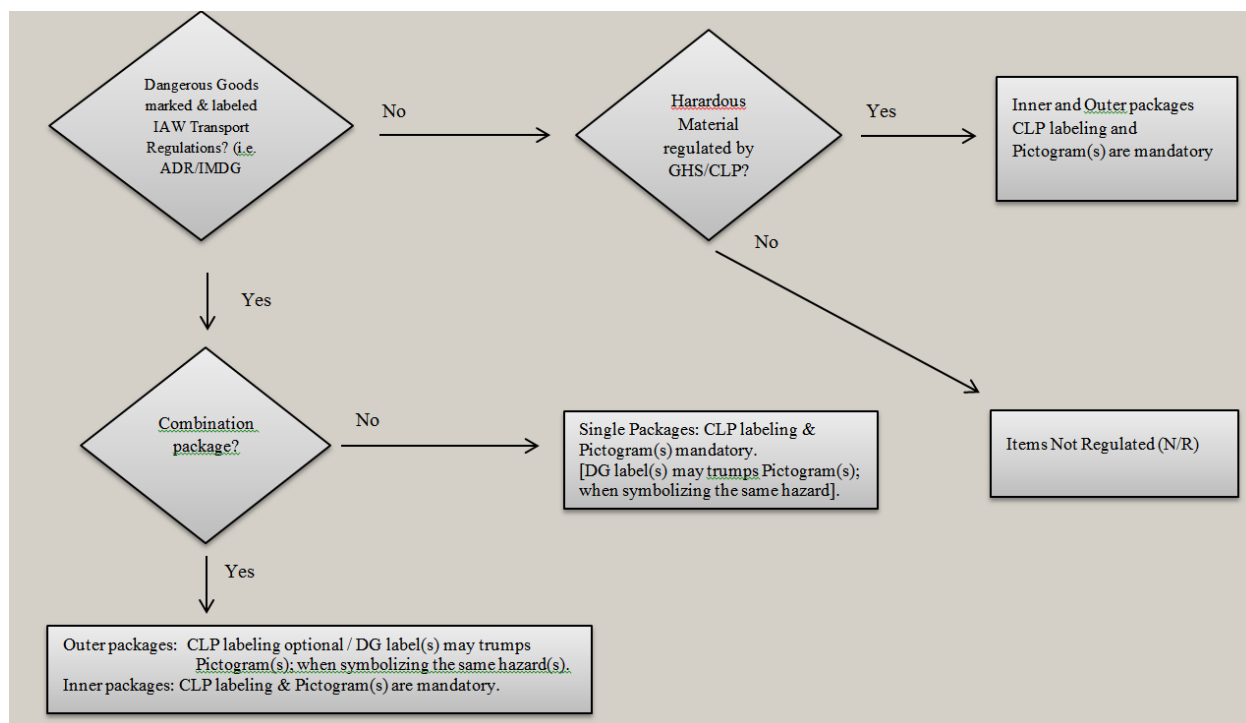
8.2.1.3. Hazard statements; *Article 21, CLP*

8.2.1.4. Precautionary statements; *Article 22, CLP*

8.2.1.5. Supplemental information; *Article 25, CLP*

8.2.2. Copy of the CLP (PDF file) may be downloaded from the following web-site: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:EN:PDF>. Note: All Substances and mixtures classified as hazardous IAW CLP must bear the described label; regardless if regulated by ADR/IMDG-Code. Outer packages of combination packages may be exempt from CLP labeling requirements. See Figure 8.1 for clarification.

Figure 8.1. CLP – Article 33 – Decision Chart



Chapter 9

INSPECTION CHECKLISTS

9.1. General Inspection Requirements. Inspect hazardous materials before entering cargo into traffic. The inspection will ensure hazardous materials are properly identified, prepared, documented and carried. Follow guidance outlined in this instruction and use checklists listed in **Attachments 3 to 10** to ensure safe carriage HAZMAT. Electronic copies of checklists may be provided by the IDGA office upon request. If required, checklists may be changed and tailored to functions and movement modes executed by the unit. UDGA's must ensure checklists are implemented and used by personnel involved in the carriage of HM. The proper use of checklists shall be described in unit instructions concerning the safe movement of HM.

9.2. Inspection Checklists. The following checklists are listed as attachments:

9.2.1. Checklist I/A (Attachment 3); to be used for multimodal transportation (Surface road and water) of dangerous goods regulated by ADR, RID and IMDG-Code. Checklist covers inspection items for the vehicle crew, documentation and carriage of HM (follow instructions outlined on reverse page).

9.2.2. Checklist I/B (Attachment 4); supplements checklist I/A. Identifies information to be entered in the transport document (follow instructions outlined on reverse page).

9.2.3. Checklist I/C (Attachment 5); supplements checklist I/A. Identifies the requirements for miscellaneous vehicle equipment and equipment for personal protection.

9.2.4. Checklist I/D (Attachment 6); supplements checklist I/A. Identifies the requirements for the fire-fighting equipment.

9.2.5. Checklist I/E (Attachment 7); supplements checklist I/A. Provides information on mixed loading/compatibility (follow instructions outlined on reverse page).

9.2.6. Checklist I/F (Attachment 8); supplements checklist I/A. Identifies packaging, placarding and marking requirements (follow instructions outlined on reverse page).

9.2.7. Checklist II/A (Attachment 9); identifies minimum safety requirements and threshold limits for the carriage to and from buildings or civil engineering sites, if ancillary to the units' main activity (Ref.: Section 1.1.3.1.c, ADR).

9.2.8. Checklist II/B (Attachment 10); German language copy of Checklist II/A.

Chapter 10

EXEMPTIONS FOR ON-BASE TRANSPORTATION OF HAZARDOUS MATERIAL

10.1. General Requirements. Within the boundaries of Ramstein AB and associated GSUs (Germany only), surface road movements of HM must:

10.1.1. Comply with the provisions laid down in ADR; except for: **Note:** Follow instructions described after the corresponding ADR reference.

10.1.1.1. *Chapter 1.4, ADR; Safety Obligations of the Participants.* Functional elements including Ordering Party of the Shipper, Shipper, Consignor, Certifier, Carrier, Driver, Consignee, Loader, Filler, Packer, Receiver, Hazmat Pharmacy, DG/HW Storage Areas, Units using/consuming DG must comply with duties and responsibilities specified in USAFEI 23-104.

10.1.1.2. *Part 9, ADR; Requirements concerning the construction and approval of vehicles.* On base movement of HM may be conducted with non ADR-certified military vehicles meeting DOD standards.

10.1.1.3. *Section 1.8.3, ADR; Safety Advisor.* Military Installation Dangerous Goods Advisors must comply with provisions outlined in USAFEI 23-104.

10.1.1.4. *Section 5.1.2, ADR; Use of Overpacks.* Overpacks used for packaging and transport of HM, including retail quantities in accordance with paragraph 10.2 of this instruction, are not required to be marked and labeled IAW 5.1.2, ADR if marked according to chapter 8. Orientation arrows required for the carriage of liquid HM are still required (Orientation arrows, illustrated in 5.2.1.9, ADR may be added manually on the outside of the package if the original handling labels are not available).

10.1.1.5. *Section 2.2.1, ADR; Explosive substances and articles.* For on-base transportation of ammunition and explosives refer to AFMAN 91-201 and corresponding USAFE Sup1.

10.1.1.6. *Section 5.4.1, ADR; Dangerous goods transport document and related information* – In deviation from:

10.1.1.6.1. *Para 5.4.1.4.1, ADR;* the particulars to be entered in Transport Document may be drafted in English language only.

10.1.1.6.2. *Para 5.4.1.1.7, ADR;* the entry “Carriage in accordance with 1.1.4.2.1, ADR may not be added in Transport Document

10.1.1.6.3. *Para 5.4.1.1.1 (h), ADR;* the Transport Document may not reflect addresses if there are multiple consignees (multi-stops).

10.1.1.6.4. *Para 5.4.1.1.1 (f), ADR;* the total quantity of HM referenced in the Transport Document may not be adjusted when providing multi-stop service to various customers.

10.1.1.6.5. *Section 8.1.4.3, ADR;* US standardized fire-extinguishers may be used.

10.1.1.6.6. *Para 5.4.1.1, ADR;* Transport documents are not required for shipments internal to the unit (i.e. HM is not transferred to a third party during transport),

provided threshold limits specified in table 1.1.3.6.3, ADR are not exceeded and package is properly marked and labeled according to ADR and/or GHS/CLP. **Note:** Transport documents are also not required for the carriage of HM in Tanks/Tank-vehicles if UN- and Hazard Identification Numbers are properly posted on orange colored placards mounted at the front and back (or sides) of the transport unit.

10.2. Retail Quantities. The carriage of small quantities of HM packaged for retail sale intended for the unit's use are exempt from the provisions of the ADR, except for the following:

- 10.2.1. Radioactive material (Class 7).
- 10.2.2. Threshold limits specified in 1.1.3.6.3, ADR must not be exceeded.
- 10.2.3. Total quantity must not exceed 60 liters of flammable liquids.
- 10.2.4. Total quantity must not exceed 240 liters of flammable liquids per vehicle.
- 10.2.5. Total quantity must not exceed one kg net mass per vehicle for HM referenced in section 2.g. of **Attachments 9 and 10** of this instruction (checklists II/A and II/B).
- 10.2.6. Packaging must be in proper condition, not damaged and tight.
- 10.2.7. Measures must be taken to prevent any leakage of contents during transportation.
- 10.2.8. HM shall be carried directly from place of origin to the unit without delay.
- 10.2.9. HM must be marked and labeled IAW ADR or CLP.
- 10.2.10. Driver must be briefed on contents of HM and limits of this paragraph.

Chapter 11

RESTRICTIONS FOR OFF-BASE TRANSPORTATION OF HAZARDOUS MATERIAL

11.1. Mode Regulation. Surface road movements of Hazardous Materials, leaving or entering Ramstein Air Base (incl. GSUs located in Germany), must:

11.1.1. Comply with instructions laid down in *ADR*, except for below provisions outlined in *italic* letters: **Note:** Follow instructions described after the corresponding *ADR* reference.

11.1.1.1. *Sub-section 1.1.3.1 c).* Units must comply with limits and standards described in attached checklists (**Attachments 9 & 10**).

11.1.1.2. *Sub-section 1.1.3.1 d).* Section only applies to host nation emergency responders (i.e. German Army EOD etc.).

11.1.1.3. *Chapter 1.4.* Units must comply with duties and responsibilities of the functional elements described in USAFEI23-104.

11.1.1.4. *Section 1.8.3.* USAFE DGAs comply with USAFEI23-104.

11.1.1.5. *Sub-section 5.1.2.1.a) (i).* The term 'OVERPACK' may be marked in English language only (on outside package).

11.1.1.6. *Sub-section 5.4.1.1.* English language only is authorized for the particulars to be entered in transport documents used for the carriage in a transport chain, including maritime or air carriage.

11.1.1.7. *Sub-section 7.5.11;* Special Provision CV36. Open or ventilated transport units must be used for the carriage of HM, coded as 'CV36' in Table A, Column 18, *ADR*.

11.1.2. Comply with procedures outlined in this instruction, except for Chapter 10.

11.2. Additional Host Nation Requirements.

11.2.1. Shippers of HM will contact the servicing TMO or MCT to request routing permissions IAW Para 35, GGVSEB (German Regulation on the National and International Carriage of Dangerous Goods by Road, Rail, Inland Waterways) from host nation competent authorities for material/threshold limits listed and quantified in **Attachment 2**. A copy of the routing permission must be issued to the driver prior to the journey. Drivers must be advised to strictly follow routing instructions as outlined in the routing permission.

11.2.2. Shippers of ammunition and/or explosives will ensure that host nation competent authority approvals required for certain types of Class 1 (i.e. Fireworks) are available and issued to consignor or carrier prior to shipment.

11.2.3. Liquids or solids assigned to UN2810 and UN2811 must not be accepted for carriage. If required, contact the IDGA office for further assistance.

11.2.4. Fire-Extinguishers according to 8.1.4.4, *ADR* must be re-inspected every two years by competent authority.

11.2.5. IDGA will inform the units on any additional waivers/restrictions that may apply to the carriage of HM in Germany, as chances occur. **Note:** This instruction is focusing on the technical aspects relating to the carriage of HM. It doesn't specify the additional

requirements and procedures that may apply to customs, road and diplomatic clearances, war weapon control act, positive inbound clearance, diplomatic or country clearances, 2+4 treaty etc. In these cases, please contact your local TMO or MCT for further guidance.

CHARLES K. HYDE, Brig Gen, USAF
Commander, 86th Airlift Wing

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

ADR, *European Agreement Concerning the International Carriage of Dangerous Goods by Road*

AFI 24-203, *Preparation and Movement of Air Force Cargo*, 02 Nov 2010

AFI 32-7042, *Solid and Hazardous Waste Compliance*, 15 Apr 2009

AFI 32-7086, *Hazardous Materials Management*, 01 Nov 2004

AFI 32-7086, *USAFE Supplement*, 25 Aug 2009

AFMAN 24-204, *Preparing Hazardous Material for Military Shipments*, 01 Sep 2009

AFMAN 91-201, *Explosives Safety Standards*, 12 Jan 2011

AFMAN 91-201, *USAFE Supplement*, 27 Jun 2012

CFR49, Parts 100 to 185, *Transportation*, 2012

DOD 4500.9-R, Part II, *Defense Transportation Regulation (DTR)*, 01 Jun 2008

DOD 4500.36-R, *Management, Acquisition and use Motor Vehicles*, 16 Mar 2007

KMC Plan 32-4013, *Hazardous Material Emergency Response*, 09 Nov 2010

KMC Plan 10-2, *Comprehensive Emergency Management Plan*, 24 Mar 2010

USAFEI 24-203, *Safe Movement of Hazardous Goods by Surface Modes*, 01 May 2003

USAFEI 23-104, *USAFE Command Dangerous Goods Program*, 31 May 2012

USAREUR 55-48, *Blocking and Bracing for Motor Transport*, 03 Jul 2007

86 AW/435 ABW Plan 32-7043-A (U), 15 Nov 2010

Prescribed Forms

None

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*, 22 Sep 2009

Abbreviations and Acronyms

ADR—European Agreement Concerning the International Carriage of Dangerous Goods by Road

CC—Unit Commander;

CDGA—Command Dangerous Goods Advisor;

CDGP—Command Dangerous Goods Program;

CHWSA—Centralized Hazardous Waste Storage Area (building 2028);

CLP—Classification, Labeling and Packaging Directive (EC 1272/2008)

CLIN—Contract Line Item Number

DG/HW—Dangerous goods and hazardous wastes regulated by ADR and CFR49;

DRMS—E – Defense Reutilization and Marketing Service – Europe;

DTS—Defense Transportation System;

E—Exempted Quantities IAW Chapter 3.5, ADR;

EWG—European Waste Catalog;

FGS-GE—Final Governing Standards – Germany;

FCG—Foreign Clearance Guide;

GGVSEB—Gefahrgutverordnung, Strasse, Eisenbahn und Binnenschifffahrt (German Ordinance regulating the movement of DG by roads, rail and inland waterways);

GHS—Global Harmonized System of Classification and Labeling of Chemicals;

HAZMAT—hazardous material (in context of this instruction = dangerous material);

HM—Hazardous Materials;

HMIRS—Hazardous Material Information Resource System;

HW—Hazardous Waste;

HWAP—Hazardous Waste Accumulation Points;

HWSA—Hazardous Waste Storage Areas;

IATA—International Air Transportation Association;

IDGA—Installation Dangerous Goods Advisor;

IMDG—Code – International Maritime Dangerous Goods Code;

JHCS—Joint Hazardous Classification System;

KWKG—War Weapon Control Act;

LQ—Limited Quantities IAW Chapter 3.4, ADR;

MSDS—Material Safety Data Sheet;

N/R—Not regulated for transportation;

OECD—Organization for Economic Co-operation and Development;

PG—Packaging Group;

PSN—Proper Shipping Name;

POV—Privately Owned Vehicles;

PPE—Personal Protective Equipment;

QTY—Quantity;

RID—Regulations Concerning the International Carriage of Dangerous Goods by Rail;

RSEB—Richtlinie Strasse, Eisenbahn, Binnenschifffahrt (Host nation guideline providing assistance/guidance using GGVSEB);

RLBWGGVSEB—Richtlinie ueber die Befoerderung gefaehrlicher Gueter der Bundeswehr und der auslaendischen Streitkraefte zur Gefahrengutverordnung Strasse und Eisenbahn (Host nation regulation concerning the carriage of dangerous goods via road, rail and inland-waterways)

SDS—Safety Data Sheet (European Version of MSDS)

TCMD—Transportation Control and Movement Document (DD Form 1384);

UDGA—Unit Dangerous Goods Advisor;

VDI 2700—Recommendations for Load Securing by German Engineering Association;

Terms

Closed Vehicles— A vehicle having a body capable of being closed;

Combination packaging— Combination of packaging for transport purposes, consisting of one or more inner packaging secured in an outer packing in accordance with 4.1.1.5, ADR;

Command Dangerous Goods Program (CDGP) = USAFEI 23—104;

European Waste Catalog (EWC)— Provides Classification and Disposal Instructions for HW Functional elements;

Dangerous Goods— Hazardous Materials listed by UN Numbers, regulated by 49CFR or ADR;

Hazardous Materials— In context of this instruction; all material defined as Dangerous Goods and Hazardous Waste; including substances and mixtures listed in GHS/CLP as hazardous;

Hazardous Substances and Mixtures— Chemicals classified as hazardous IAW CLP

Hazardous Waste— Waste listed as hazardous in the European Waste Catalog (AVV), regulated by ADR and/or CLP;

Hazardous Waste Accumulation Points— An area at or near the point of generation for collecting and storing HW;

Hazardous Waste Storage Areas— Locations on the installation where HW is collected and stored prior to shipment for treatment or disposal;

Military vehicles— includes leased vehicles exclusively used by military units;

Movement (of DG/HW)— Includes preparation, transportation, temporary storage and receipt of DG/HW;

Overpack— Enclosure used to contain one or more packages, consolidated into single unit easier to handle and stow during carriage;

Packaging— The processes and procedures used to protect materiel from deterioration, damage, or both. It includes cleaning, drying, preserving, packing, marking, and unitizing;

Retail quantities— Packages on shelf ready for sale;

Responsible Personnel— Commanders in charge of DG/HW operations;

Salvage Packaging— a special packaging into which damaged, defective or leaking dangerous goods packages, or dangerous goods that have spilled or leaked are placed for purposes of carriage for recovery or disposal;

Sheeted Vehicles— An open vehicle provided with a sheet to protect the load;

Safety Advisor— Safety Advisor IAW Section 1.8.3, ADR;

Transport Unit— Vehicle (i.e. tractor and flatbed trailer loaded with ISO Containers);

Transportation Chain— multimodal transportation of DG (e.g. Road-Rail-Vessel-Road);

Unit Commander— Squadron or Group Commanders;

Written Instructions— Prescribes actions to be taken by driver in case of an accident or emergency; **Note:** For additional Abbreviations, Acronyms and Terms relating transportation of DG - see DTR Vol. II and Chap 1.2, ADR

Attachment 2

LIST OF HAZARDOUS MATERIALS THAT REQUIRE ROUTING PERMISSION

Table A2.1. Para 35, GGVSEB (See Para 11.2 Above) Applies To HM Carried In A Transport Unit Exceeding 1,000 kg Net Mass Or New (Explosives Or Ammunition) In kg.

Class	UN number and official name of substances and articles
1	<p>Articles:</p> <p>0005 CARTRIDGES FOR WEAPONS with bursting charge</p> <p>0006 CARTRIDGES FOR WEAPONS with bursting charge</p> <p>0029 DETONATORS. NON-ELECTRIC for blasting</p> <p>0033 BOMBS with bursting charge</p> <p>0034 BOMBS with bursting charge</p> <p>0037 BOMBS. PHOTO-FLASH</p> <p>0038 BOMBS. PHOTO-FLASH</p> <p>0042 BOOSTERS without detonator</p> <p>0043 BURSTERS. explosive</p> <p>0048 CHARGES. DEMOLITION</p> <p>0049 CARTRIDGES. FLASH</p> <p>0056 CHARGES. DEPTH</p> <p>0059 CHARGES. SHAPED without detonator</p> <p>0060 CHARGES. SUPPLEMENTARY. EXPLOSIVE</p> <p>0073 DETONATORS FOR AMMUNITION</p> <p>0099 FRACTURING DEVICES. EXPLOSIVE without detonator. for oil wells</p> <p>0124 JET PERFORATING GUNS, CHARGED, oil well, without detonator</p> <p>0136 MINES with bursting charge</p> <p>0137 MINES with bursting charge</p> <p>0167 PROJECTILES with bursting charge</p> <p>0168 PROJECTILES with bursting charge</p> <p>0180 ROCKETS with bursting charge</p> <p>0181 ROCKETS with bursting charge</p> <p>0192 SIGNALS, RAILWAY TRACK, EXPLOSIVE</p> <p>0196 SIGNALS. SMOKE</p> <p>0221 WARHEADS, TORPEDO with bursting charge</p> <p>0271 CHARGES. PROPELLING</p> <p>0279 CHARGES, PROPELLING, FOR CANNON</p>

Class	UN number and official name of substances and articles
	0280 ROCKET MOTORS
	0284 GRENADES, hand or rifle, with bursting charge
	0286 WARHEADS. ROCKET with bursting charge
	0288 CHARGES, SHAPED, FLEXIBLE, LINEAR
	0290 CORD (FUSE). DETONATING. metal clad
	0292 GRENADES, hand or rifle, with bursting charge
	0296 SOUNDING DEVICES, EXPLOSIVE
	0326 CARTRIDGES FOR WEAPONS, BLANK
	0329 TORPEDOES with bursting charge
	0330 TORPEDOES with bursting charge
	0333 FIREWORKS
	0354 ARTICLES. EXPLOSIVE. N.O.S.
	0369 WARHEADS. ROCKET with bursting charge
	0374 SOUNDING DEVICES, EXPLOSIVE
	0397 ROCKETS, LIQUID FUELLED with bursting charge
	0399 BOMBS WITH FLAMMABLE LIQUID with bursting charge
	0408 FUZES. DETONATING with protective features
	0442 CHARGES, EXPLOSIVE, COMMERCIAL without detonator
	0449 TORPEDOES. LIQUID FUELLED with or without bursting charge
	0451 TORPEDOES with bursting charge
	0457 CHARGES, BURSTING, PLASTICS BONDED
	0461 COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
	0462 ARTICLES, EXPLOSIVE, N.O.S.
	0463 ARTICLES, EXPLOSIVE, N.O.S.
	0464 ARTICLES, EXPLOSIVE, N.O.S.
	0465 ARTICLES, EXPLOSIVE, N.O.S.
	Substances:
	0004 AMMONIUM PICRATE dry or wetted with less than 10% water, by mass
	0027 BLACK POWDER (GUNPOWDER). granular or as a meal
	0072 CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass
	0076 DINITROPHENOL, dry or wetted with less than 15% water, by mass
	0078 DINITRORESORCINOL, dry or wetted with less than 15% water, by mass
	0079 HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)

Class	UN number and official name of substances and articles
	0081 ^{*)} EXPLOSIVE, BLASTING, TYPE A
	0118 HEXOLITE (HEXOTOL), dry or wetted with less than 15% water, by mass
	0147 NITRO UREA
	0150 PENTAERYTHRIT TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass, or DESENSITISED with not less than 15% phlegmatiser, by mass
	0151 PENTOLITE, dry or wetted with less than 15% water, by mass
	0153 TRINITROANILINE (PICRAMIDE)
	0154 TRINITROPHENOL (PICRID ACID), dry or wetted with less than 30% water, by mass
	0155 TRINITROCHLOROBENZENE (PICRYL CHLORIDE)
	0160 POWDER, SMOKELESS
	0207 TETRANITROANILINE
	0208 TRINITROPHENYLMETHYLNITRAMINE (TETRYL)
	0213 TRINITROANISOLE
	0214 TRINITROBENZENE, dry or wetted with less than 30% water, by mass
	0215 TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass
	0216 TRINITRO-m-CRESOL
	0217 TRINITRONAPHTHALENE
	0218 TRINITROPHENETOLE
	0219 TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20% water, or mixture of alcohol and water, by mass
	0226 CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), WETTED with not less than 15% water, by mass
	0282 NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass
	0357 SUBSTANCES. EXPLOSIVE. N.O.S.
	0385 5-NITROBENZOTRIAZOL
	0386 TRINITROBENZENESULPHONIC ACID
	0387 TRINITROFLUORENONE
	0388 TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE
	0389 TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE
	0392 HEXANITROSTILBENE

^{*)} containing more than 40% liquid nitric esters (see also special provision 616)

Class	UN number and official name of substances and articles	
	0394	TRINITRORESORCINOL (STYPHNIC ACID), WETTED with not less than 20% water, or mixture of alcohol and water, by mass
	0401	DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass
	0411	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass
	0474	SUBSTANCES. EXPLOSIVE. N.O.S.
	0475	SUBSTANCES. EXPLOSIVE. N.O.S.
	0476	SUBSTANCES. EXPLOSIVE. N.O.S.
	0483	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITISED
	0484	CYCLOTETRAMETHYLENETETRANITRAMINE (HMX; OCTOGEN), DESENSITISED
4.1	3364	TRINITROPHENOL (PICRID ACID), wetted with not less than 10% water, by mass
	3365	TRINITROCHLOROBENZENE (PICRYL CHLORIDE), wetted with not less than 10% water, by mass
	3367	TRINITROBENZENE, wetted with not less than 10% water, by mass
	3368	TRINITROBENZOIC ACID, wetted with not less than 10% water, by mass
6.1	All polychlorinated para-dibenzodioxins and para-dibenzofurans under UN numbers 2810 and 2811, packing group I, mentioned in Annex 2 number 1.2	

Table A2.2. Para 35, GGVSEB (See Para 11.2. Above) Applies To HM If Carried In A Transport Unit Exceeding A Net Mass Of 6,000 kg. Additional Restrictions May Apply Based On Distance And Volume Carried. Contact The IDGA Office For More Details Prior To Shipment.

UN number and official name of substance	
1011	BUTANE
1012	BUTYLENES MIXTURE or 1-BUTYLENE or CIS-2-BUTYLENE or TRANS-2-BUTYLENE
1027	CYCLOPROPANE
1055	ISOBUTYLENE
1077	PROPYLENE
1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as mixtures A, A01, A02, A0, A1, B1, B2, B or C)
1969	ISOBUTANE

1978	PROPANE
2035	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)

Table A2.3. Para 35, GGVSEB (See Para 11.2. Above) Applies To HM If Carried In A Transport Unit Exceeding 1,000 kg Net Mass.

UN number and official name of substance	
1005	AMMONIA, ANHYDROUS
1010	BUTADIENES, STABILISED or BUTADIENES AND HYDROCARBON MIXTURE, STABILISED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l
1017	CHLORINE
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
1032	DIMETHYLAMINE, ANHYDROUS
1033	DIMETHYL ETHER
1035	ETHANE
1036	ETHYLAMINE
1037	ETHYL CHLORIDE
1038	ETHYLENE, REFRIGERATED LIQUID
1040	ETHYLENE OXIDE
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide
1045	FLUORINE, COMPRESSED
1048	HYDROGEN BROMIDE, ANHYDROUS
1050	HYDROGEN CHLORIDE, ANHYDROUS
1053	HYDROGEN SULPHIDE
1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILISED such as mixture P1 or mixture P2
1060	METHYLAMINE, ANHYDROUS
1061	METHYL BROMIDE with not more than 2% chloropicrin
1062	METHYL CHLORIDE (REFRIGERANT GAS R 40)
1063	METHYL MERCAPTAN
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)

UN number and official name of substance	
1076	PHOSGENE
1079	SULPHUR DIOXIDE
1082	TRIFLUOROCHLOROETHYLENE, STABILISED
1083	TRIMETHYLAMINE, ANHYDROUS
1085	VINYL BROMIDE, STABILISED
1086	VINYL CHLORIDE, STABILISED
1087	VINYL METHYL ETHER, STABILISED
1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin
1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE
1741	BORON TRICHLORIDE
1860	VINYL FLUORIDE, STABILISED
1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE
1959	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)
1961	ETHANE, REFRIGERATED LIQUID
1962	ETHYLENE
1966	HYDROGEN, REFRIGERATED LIQUID
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content
2517	1-CHLORO-1,1-DIFLUOROETHANE (REFRIGERANT GAS R 142b)
3138	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene
3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide
3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.

Table A2.4. Para 35, GGVSEB (See Para 11.2. Above) Applies To Liquid Substances Assigned To Packaging Group I, exceeding 1,000 kg Net Mass And Carried In Single Tanks With Tank Volume > 3 m³.

Class	UN number and official name of substances and articles	
3	1093	ACRYLONITRILE, STABILISED
	1099	ALLYL BROMIDE
	1100	ALLYL CHLORIDE
	1131	CARBON DISULPHIDE
	1921	PROPYLENEIMINE, STABILISED
	3079	METHACRYLONITRILE, STABILISED
4.2	1366	DIETHYLZINC
	1370	DIMETHYLZINC
	2005	MAGNESIUM DIPHENYL
	2445	LITHIUM ALKYL, LIQUID
	3051	ALUMINIUM ALKYL
	3052	ALUMINIUM ALKYL HALIDES, LIQUID
	3053	MAGNESIUM ALKYL
	3076	ALUMINIUM ALKYL HYDRIDES
	3394	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE
4.3	1928	METHYL MAGNESIUM BROMIDE IN METHYL ETHER
	3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE
5.1	1510	TETRANITROMETHANE
	1745	BROMINE PENTAFLUORIDE
	1746	BROMINE TRIFLUORIDE
	1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass
	2015	HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILISED, with more than 60% hydrogen peroxide and not more than 70% hydrogen peroxide
	2015	HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILISED, with more than 70% hydrogen peroxide
6.1	1092	ACROLEIN, STABILISED
	1098	ALLYL ALCOHOL

Class	UN number and official name of substances and articles	
	1135	ETHYLENE CHLORORHYDRIN
	1182	ETHYL CHLOROFORMATE
	1185	ETHYLENEIMINE, STABILISED
	1238	METHYL CHLOROFORMATE
	1259	NICKEL TETRACARBONYL
	1541	ACETONE CYANOHYDRIN, STABILISED
	1553	ARSENIC ACID, LIQUID
	1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s. and Arsenic sulphides, n.o.s.
	1560	ARSENIC TRICHLORIDE
	1580	CHLOROPICRIN
	1595	DIMETHYL SULPHATE
	1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide
	1649	MOTOR FUEL ANTI-KNOCK MIXTURE
	1670	PERCHLOROMETHYL MERCAPTAN
	1672	PHENYL CARBYLAMINE CHLORIDE
	1694	BROMOBENZYL CYANIDES, LIQUID
	1722	ALLYL CHLOROFORMATE
	1935	CYANIDE SOLUTION, N.O.S.
	1994	IRON PENTACARBONYL
	2334	ALLYLAMINE
	2337	PHENYL MERCAPTAN
	2382	DIMETHYLHYDRAZINE, SYMMETRICAL
	2558	EPIBROMOHYDRIN
	2606	METHYL ORTHOSILICATE
	2810	TOXIC LIQUID, ORGANIC, N.O.S. (all polychlorinated para-dibenzodioxins and para-dibenzofurans specified by name)
	3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C
	3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC
8	1052	HYDROGEN FLUORIDE, ANHYDROUS
	1739	BENZYL CHLOROFORMATE
	1744	BROMINE or BROMINE SOLUTION
	1777	FLUOROSULPHONIC ACID
	1790	HYDROFLUORIC ACID with more than 60% but not more than 85% hydrogen fluoride
	1790	HYDROFLUORIC ACID with more than 85% hydrogen fluoride
	1829	SULPHUR TRIOXIDE, STABILISED
	2699	TRIFLUOROACETIC ACID

Table A2.5. Para 35, GGVSEB (See Para 11.2 Above) Applies To Flammable Liquids (Class 3) Assigned To Packaging Groups (PG) I or II, If Carried In Tank-Vehicles Or Tanks, Provided Transport Distance Is Greater Than 100 km And Volume Of HM Carried In Tank Exceeds 3,000 Liters (PG I) Or 6,000 Liters (PG II).

UN number and official name of substance	
1088	ACETAL
1089	ACETALDEHYDE
1090	ACETONE
1091	ACETONE OILS
1105	PENTANOLS
1107	AMYL CHLORIDE
1108	1-PENTENE (n-AMYLENE)
1111	AMYL MERCAPTAN
1113	AMYL NITRITE
1114	BENZENE
1120	BUTANOLS
1123	BUTYL ACETATES
1126	1-BROMOBUTANE
1127	CHLOROBUTANES
1128	n-BUTYL FORMATE
1129	BUTYRALDEHYDE
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than 175 kPa)
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C not more than 110 kPa)
1136	COAL TAR DISTILLATES, FLAMMABLE
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (vapour pressure at 50 °C more than 175 kPa)
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1144	CROTONYLENE
1145	CYCLOHEXANE
1146	CYCLOPENTANE

UN number and official name of substance	
1148	DIACETONE ALCOHOL, technical
1150	1,2-DICHLOROETHYLENE
1155	DIETHYL ETHER (ETHYL ETHER)
1156	DIETHYL KETONE
1159	DIISOPROPYL ETHER
1161	DIMETHYLCARBONATE
1164	DIMETHYL SULPHIDE
11655	DIOXANE
1166	DIOXOLANE
1167	DIVINYL ETHER, STABILISED
1169	EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C more than 175 kPa)
1169	EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
1173	ETHYL ACETATE
1175	ETHYLBENZENE
1176	TRIETHYL BORATE
1178	2-ETHYLBUTYRALDEHYDE
1179	ETHYL BUTYL ETHER
1190	ETHYL FORMATE
1193	ETHYL METHYL KETONE (METHYL ETHYL KETONE)
1195	ETHYL PROPIONATE
1197	EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C more than 175 kPa)
1197	EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1197	EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C not more than 110 kPa)
1201	FUSEL OIL
1203	MOTOR SPIRIT or GASOLINE or PETROL
1206	HEPTANES
1208	HEXANES
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C more than 175 kPa)

UN number and official name of substance	
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C not more than 110 kPa)
1213	ISOBUTYL ACETATE
1216	ISOOCTENES
1218	ISOPRENE, STABILISED
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)
1220	ISOPROPYL ACETATE
1222	ISOPROPYL NITRATE
1224	KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1224	KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
1231	METHYL ACETATE
1234	METHYLAL
1237	METHYL BUTYRATE
1243	METHYL FORMATE
1245	METHYL ISOBUTYL KETONE
1246	METHYL ISOPROPENYL KETONE, STABILISED
1247	METHYL METHACRYLATE MONOMER, STABILISED
1248	METHYL PROPIONATE
1249	METHYL PROPYL KETONE
1261	NITROMETHANE
1262	OCTANES
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 175 kPa)
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1265	PENTANES, liquid
1266	PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C more than 175 kPa)

UN number and official name of substance	
1266	PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1267	PETROLEUM CRUDE OIL (vapour pressure at 50 °C more than 175 kPa)
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C more than 175 kPa)
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)
1275	PROPIONALDEHYDE
1276	n-PROPYL ACETATE
1278	1-CHLOROPROPANE
1279	1,2-DICHLOROPROPANE
1280	PROPYLENE OXIDE
1281	PROPYL FORMATES
1282	PYRIDINE
1286	ROISIN OIL (vapour pressure at 50 °C more than 175 kPa)
1286	ROISIN OIL (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1286	ROISIN OIL (vapour pressure at 50 °C not more than 110 kPa)
1287	RUBBER SOLUTION (vapour pressure at 50 °C more than 175 kPa)
1287	RUBBER SOLUTION (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1287	RUBBER SOLUTION (vapour pressure at 50 °C not more than 110 kPa)
1288	SHALE OIL
1293	TINCTURES, MEDICINAL
1294	TOLUENE
1300	TURPENTINE SUBSTITUTE
1301	VINYL ACETATE, STABILISED
1302	VINYL ETHYL ETHER, STABILISED
1303	VINYLDENE CHLORIDE, STABILISED
1304	VINYL ISOBUTYL ETHER, STABILISED
1306	WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1306	WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C not more than 110 kPa)
1307	XYLENES
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C more than 175 kPa)

UN number and official name of substance	
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C not more than 110 kPa)
1648	ACETONITRILE
1862	ETHYL CROTONATE
1863	FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C more than 175 kPa)
1863	FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1863	FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C not more than 110 kPa)
1865	n-PROPYL NITRATE
1866	RESIN SOLUTION, flammable (vapour pressure at 50 °C more than 175 kPa)
1866	RESIN SOLUTION, flammable (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1866	RESIN SOLUTION, flammable (vapour pressure at 50 °C not more than 110 kPa)
1917	ETHYL ACRYLATE, STABILISED
1919	METHYL ACRYLATE, STABILISED
1987	ALCOHOLS, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1987	ALCOHOLS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
1989	ALDEHYDES, N.O.S. (vapour pressure at 50 °C more than 175 kPa)
1989	ALDEHYDES, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1989	ALDEHYDES, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
1993	FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C more than 175 kPa)
1993	FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1993	FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs (vapour pressure at 50 °C not more than 110 kPa)
2045	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)
2047	DICHLOROPROPENES
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS
2056	TETRAHYDROFURAN
2057	TRIPROPYLENE
2058	VALERALDEHYDE

UN number and official name of substance	
2059	NITROCELLULOSE SOLUTION, FLAMMABLE, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C more than 175 kPa)
2059	NITROCELLULOSE SOLUTION, FLAMMABLE, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
2059	NITROCELLULOSE SOLUTION, FLAMMABLE, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C not more than 110 kPa)
2241	CYCLOHEPTANE
2242	CYCLOHEPTENE
2246	CYCLOPENTENE
2251	BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILISED (2,5-NORBORNADIENE, STABILISED)
2252	1,2-DIMETHOXYETHANE
2256	CYCLOHEXENE
2263	DIMETHYLCYCLOHEXANES
2277	ETHYL METHACRYLATE, STABILISED
2278	n-HEPTENE
2287	ISOHEPTENE
2288	ISOHEXENE
2296	METHYLCYCLOHEXANE
2298	METHYLCYCLOPENTANE
2301	2-METHYLFURAN
2309	OCTADIENES
2338	BENZOTRIFLUORIDE
2339	2-BROMOBUTANE
2340	2-BROMOETHYL ETHYL ETHER
2342	BROMOMETHYLPROPANES
2343	2-BROMOPENTANE
2344	BROMOPROPANES
2345	3-BROMOPROPYNE
2346	BUTANEDIONE
2347	BUTYL MERCAPTAN
2350	BUTYL METHYL ETHER
2351	BUTYL NITRITES
2352	BUTYL VINYL ETHER, STABILISED
2356	2-CHLOROPROPANE
2358	CYCLOOCTATETRAENE
2362	1,1-DICHLOROETHANE
2363	ETHYL MERCAPTAN
2367	alpha-METHYLVALERALDEHYDE

UN number and official name of substance	
2370	1-HEXENE
2371	ISOPENTENES
2372	1,2-DI-(DIMETHYLAMINO) ETHANE
2373	DIETHOXYMETHANE
2374	3,3-DIETHOXYPROPENE
2375	DIETHYL SULPHIDE
2376	2,3-DIHYDROPYRAN
2377	1,1-DIMETHOXYETHANE
2380	DIMETHYLDIETHOXSILANE
2381	DIMETHYL DISULPHIDE
2384	DI-n-PROPYL ETHER
2385	ETHYL ISOBUTYRATE
2387	FLUOROBENZENE
2388	FLUOROTOLUENES
2389	FURAN
2390	2-IODOBUTANE
2391	IODOMETHYLPROPANES
2393	ISOBUTYL FORMATE
2397	3-METHYLBUTAN-2-ONE
2398	METHYL tert-BUTYL ETHER
2400	METHYL ISOVALERATE
2402	PROPANETHIOLS
2403	ISOPROPENYL ACETATE
2406	ISOPROPYL ISOBUTYRATE
2409	ISOPROPYL PROPIONATE
2410	1,2,3,6-TETRAHYDROPYRIDINE
2412	TETRAHYDROTHIOPHENE
2414	THIOPHENE
2416	TRIMETHYL BORATE
2436	THIOACETIC ACID
2456	2-CHLOROPROPENE
2457	2,3-DIMETHYLBUTANE
2458	HEXADIENES
2459	2-METHYL-1-BUTENE

UN number and official name of substance	
2460	2-METHYL-2-BUTENE
2461	METHYLPENTADIENE
2536	METHYLTETRAHYDROFURAN
2554	METHYLALLYL CHLORIDE
2561	3-METHYL-1-BUTENE
2612	METHYL PROPYL ETHER
2615	ETHYL PROPYL ETHER
2616	TRIISOPROPYL BORATE
2707	DIMETHYLDIOXANES
2749	TETRAMETHYLSILANE
2838	VINYL BUTYRATE, STABILISED
3022	1,2-BUTYLENE OXIDE, STABILISED
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume
3269	POLYESTER RESIN KIT
3271	ETHERS, N.O.S.
3272	ETHERS, N.O.S.
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C more than 175 kPa)
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C more than 110 kPa but not more than 175 kPa)
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)

Attachment 3

RAMSTEIN AB, IDGA CHECKLIST I/A

Ramstein AB, IDGA Checklist I/A

MULTIMODAL TRANSPORTATION OF DANGEROUS GOODS (on/off Base)							
Inspection Ref. No.: _____							
I. Location of check:		II. Date/Time		III. Type of vehicle:			
IV. License plate of vehicle:				V. License plate of trailer:			
VI. Driver:				VII. PPN:			
VIII. Consignor:				X. Consignee:			
1. General							
a. Dangerous Goods packed in Limited or Excepted Quantities ¹							<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Load exceeding the exemption limits prescribed in 1.1.3.6, ADR ²							<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Carriage in a transport chain according to Para 1.1.4.2.1, ADR							<input type="checkbox"/> Yes <input type="checkbox"/> No
(1) See mode specific checklists for carriage of dangerous goods via airlift (e.g. AMCFM 1015)							
(2) See "RID" and "IMDG" checklist items marked 'X' for carriage of dangerous goods in a transport chain including rail and/or seafreight carriage							
	OBO	ADR	RID	IMDG	Inspection Status		
2. Driver							
a. Driver ID card (with Picture / ADR 1.10.1.4) ³		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
b. ADR driver certificate (ADR 8.2.1) ³	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
c. Valid driver's license	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
d. Driver briefed on contents of Dangerous Goods	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
e. Driver briefed on emergency actions to be taken in case of an incident/accident	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
f. Driver informed on no smoking rules ⁴	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
3. Documentation							
a. Transport document (see IDGA Checklist I/B for document entries)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
b. DD Form 626 (Motor Vehicle Inspection) ³	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
c. Written Instructions (ADR 5.4.3) ³	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
d. ADR vehicle certificate (T-9) ³		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
e. Routing permit IAW § 35, GGVSEB ⁵		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
f. Container/Vehicle packing certificate ⁶		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
g. Waivers/Permits/Exemptions/Clearances (other)		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
h. TMR Number (USAFEI 24-201, Chap 3)		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
i. Customs documents (USAFEI 24-201, Chap 7)		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
4. Carriage							
a. Hazardous material authorized for transportation	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
b. Type of vehicle / railcar authorized for carriage of dangerous goods	X	X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
c. Closed/sheeted vehicles used to carry moisture sensitive packages	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
d. Max loading capacity of transport unit not exceeded	X	X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
e. Load securing (ADR 7.5.7)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
f. No leaks or damages	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
g. Open or ventilated vehicle required by ADR Special Provision ⁷	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
h. CSC approval plate ⁸		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
i. NEW limitations ⁹		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
5. Packaging (see IDGA Checklist I/F, Para 1)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
6. Placarding & Marking (see IDGA Checklist I/F, Para 2) ³	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
7. Vehicle Equipment (see IDGA Checklist I/C) ³	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
8. Fire-fighting Equipment (see IDGA Checklist I/D) ²	X	X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
9. Mixed Loading (see IDGA Checklist I/E)	X	X	X ¹⁰	¹¹	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
XI. Inspector:							
Name (print)		Signature			Date		
[See reverse page for Notes and Remarks]							

NOTES:

OBO = On Base Only (minimum requirement - applies to the carriage of dangerous goods (DG) within fenced boundaries of military installations)

ADR = European Agreement Concerning the International Carriage of Dangerous Goods by Road (comply when moving DG off the installation)

RID = Regulations Concerning the International Carriage of Dangerous Goods by Rail (comply when moving DG in a transportation chain incl. rail)

IMDG-Code = International Maritime Dangerous Goods Code (comply when moving DG in transportation a chain incl. sealtift)

¹ Limited (LQ) and exempted quantities (Chapters 3.4 & 3.5, ADR/RID/IMDG-Code); the following checklist items may apply only: 3a, 4a-e and 5.

² Loads not exceeding the exemption limits prescribed in 1.1.3.6, ADR are exempt from checklist items marked with Note ³.

³ N/A for loads not exceeding the exemption limits prescribed in 1.1.3.6, ADR (other than tank-vehicles or carriage in bulk).
Caution: Intended application of 1.1.3.6 must be indicated in the transport document. [Ref.: ADR, 5.4.1.1.1(f) Note 1]

⁴ No smoking authorized during loading, unloading and in vehicles when handling dangerous goods. No smoking authorized in vehicles during transportation if driver's cab is not separated from the loading compartment. No smoking authorized in vehicles carrying class 1, ammunition and/or explosives, regardless of vehicle design.

⁵ Special routing permits are required for loads exceeding the threshold limits specified in § 35, GGVSEB. If applicable, ensure driver is in possession of the necessary permit (issued by host nation).

⁶ If the carriage of dangerous goods in a large container precedes a voyage by sea, a container packing certificate conforming to section 5.4.2 of the IMDG Code shall be issued with the transport document. Certificate must be signed by the individual responsible for packing/loading.

⁷ If Special Provision 'CV36' applies (ADR, Table A, Chap 3.2, Column 18), only open or ventilated vehicles will be used for the carriage of these dangerous goods. Under no circumstances will dangerous goods subject to 'CV 36' be carried in the vehicle cab (cab must air-separated from loading compartment).

⁸ Unless otherwise specified (in ADR/RID/IMDG), the applicable provisions of the International Convention for Safe Containers (CSC) 1972, as amended shall be followed for the use of any cargo transport unit) which meets the definition of a 'container' (e.g. 20/40 ft ISO or MILVAN within the terms of that convention. [Ref.: 7.4.2, IMDG / 7.1.3, ADR/RID] Containers shall not be offered for the transport of goods of class 1 other than division 1.4 unless the container is structurally serviceable, as witnessed by a current CSC approval plate. [Ref. 7.4.6.4.2, IMDG]

⁹ The total net mass in kg (NEW) of explosive substance and articles which may be carried on one transport unit is limited as indicated in subparagraph 7.5.5.2.1, ADR/RID. In deviation from 7.5.5.2.1, ADR/RID the maximum permissible NEW for military EX/II transport units carrying explosives or ammunition, subclasses 1.1-1.3 is 7,500 kg [Ref.: Waiver BMVg Nr. 22 (S) US]. On-base movement of ammunition and explosives is subject to USAFE Sup to AFMAN91-201.

¹⁰ See 7.5.3, RID for protective distance that must be kept between railcars/containers marked with label model numbers 1, 1.5 or 1.6 and railcars/containers marked with label model numbers 2.1, 3, 4.1, 4.2, 4.3, 5.1 or 5.2.

¹¹ See Chap 7.2, IMDG-code for segregation of DG carried in a transport chain including maritime carriage.

REMARKS:

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Attachment 4

RAMSTEIN AB, IDGA CHECKLIST I/B

Ramstein AB, IDGA Checklist I/B

MULTIMODAL TRANSPORTATION OF DANGEROUS GOODS (on/off Base)

Inspection Ref. No. _____

Transport Document (Ref.: Chapter 5.4, ADR/RID/IMDG-Code)

The following information may be entered in the transport document

Description	OBO ¹	ADR	RID	IMDG	Inspection Status		
(1) UN Number	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(2) Waste (PSN preceded by the word "WASTE")	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(3) Proper shipping name (PSN)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(4) Technical name in brackets ²	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(5) Classification code or label model number	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(6) Sub-risk label model number(s) in brackets when assigned	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(7) Packaging Group when assigned	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(8) Tunnel restriction code		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(9) Above entries in proper sequence ³	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(10) Number & description of packages	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(11) Total quantity of each dangerous goods item bearing a different:					<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(a) UN Number	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(b) PSN		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(c) Packaging Group		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(d) Transport Category (if shipped IAW 1.1.3.6.3, ADR)		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(12) Entries in proper language ⁴		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(13) Information in Transport Document must be legible	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(14) Consignor (Name and Address)		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(15) Consignee (Name and Address)		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(16) Date document was prepared and signature of certifying individual	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(17) Declaration of Conformity ⁵				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(18) Statement "Environmentally Hazardous" (engl. language only is authorized) ⁶	X	X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(19) Statement "Marine Pollutant" ¹⁴				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(20) Declaration as required by terms of any special agreement ⁷		X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(21) Statement of classification or packaging approval (Class 1) ⁸		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(22) Statement "Carriage in accordance with 1.1.4.2.1" ⁹		X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(23) Statement for empty, un-cleaned packages, tanks-vehicles etc. ¹⁰	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(24) Statement "Salvage Packaging" (after description of the goods)		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(25) Statement: "Befoerderung nach § 35, Abs., Nr. 2, GGVSEB" ¹¹		X			<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(26) Class 6.2: Name and phone number of responsible person (consignee)		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(27) Flash point (for DG having a flashpoint of 60°C or below)				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(28) "Limited quantity" or "LTD QTY" ¹²				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(29) "Dangerous Goods in Excepted Quantities" + number of packages + description of the shipment ¹³		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(30) "Carriage in accordance with sub-section 1.1.4.4" (Picky back transport)			X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(31) Other (class or mode specific):.....		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A

Remarks:.....

Inspector:.....

Name (print)

Signature

Date

[See reverse page for NOTES]

NOTES:

ADR = European Agreement Concerning the International Carriage of Dangerous Goods by Road (comply when moving DG off the installation)

RID = Regulations Concerning the International Carriage of Dangerous Goods by Rail (comply when moving DG in a transportation chain incl. rail)

IMDG-Code = International Maritime Dangerous Goods Code (comply when moving DG in transportation a chain incl. seallift)

¹ OBO = On Base Only (applies to the carriage of dangerous goods within fenced boundaries of military installations)

² ADR/RID: For UN Numbers assigned to special provisions 274 or 318, enter the technical name in brackets. IMDG-Code: For PSN indicated with "N.O.S" and assigned to special provisions 274 or 318, and other generic descriptions listed in Annex A; add the technical names in brackets after the PSN. For Marine Pollutants listed in Annex A or marked as "N.O.S", supplement PSN with the chemical name. Minimum two technical names are required for mixtures. The percentage of the technical constituent may also be entered.

³ Entries in the transport document must be in the following order: UN No/PSN/Technical Name/Classification Code or Label Model No/Sub-risk Label Model No/Packaging Group/Tunnel Restriction Code.

⁴ The particulars entered in the transport document must be in German and English language. English language only, is authorized if carried in a transport chain that includes maritime or air carriage.

⁵ The following certification statement, signed/dated by the consignor, must be entered in the Transport Document: "I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and are classified, packaged, marked and labeled, and in proper condition for transport according to applicable international and national government regulations." [Ref.: 5.4.1.6.1, IMDG-Code]

⁶ Following particulars must be entered in the Transport Document if Dangerous Goods are classified as environmentally hazardous substances. For transportation via rail or road add the statement: "Environmentally Hazardous" in the transport document. The statement "Environmentally Hazardous" may be replaced by the description "Marine Pollutant", if type of dangerous good is carried in a transport chain including maritime carriage.

⁷ Multilateral-or lateral Agreements, CAA, FMOD- ,GGAV- , or single Waivers etc. (e.g. M237 Multilateral Agreement – DOT bottles)

⁸ Following statements may be required in the transport document; ADR/RID: Fireworks (UN No. 0333 – 0337) and substances and explosives assigned to an N.O.S. entry or packed according to Packaging Instruction P 101 require statement of approval in the transport document [Ref.: 5.4.1.2.1 (e) and (g), ADR/RID]. IMDG: If packaged as approved by competent authority, the transport document must contain the statement "Packaging approved by the competent authority of..." [Ref.: 5.4.1.5.9, IMDG- Code].

⁹ Statement is required for carriage in a transport chain including maritime or air carriage.

¹⁰ E.g. "Empty Packaging" or "Empty Tank-Vehicle, last load: UN 1202 Diesel Fuel, 3, PG III (D/E)"

¹¹ Host nation routing permission is required when moving DG in quantities exceeding limits outlined in Atch 1, GGVSEB. IAW § 35, GGVSEB carriage of DG to/from the next available railhead or waterport must be stated in the transport document.

¹² Shipments in limited quantities; only enter the term "Limited Quantities" or "LTD QTY" in the transport document. No other information required in the document [Ref.: 3.4, IMDG-Code].

¹³ Shipments in excepted quantities; ADR/RID: Only required to enter statement "Gefährliche Güter in freigestellten Mengen" and add the number of packages. IMDG-Code: Enter statement "Dangerous Goods in Excepted Quantities" and, add number and description of the shipment.

¹⁴ Applies to UN3077, UN3082 and DG classified as environmentally hazardous substances (aquatic environment) IAW Para 2.9.3, IMDG-Code (see MSDS); and DG coded 'P' in Index and/or in the Dangerous Goods List, Part 3 of IMDG. For these items add the statement "Marine Pollutant" (vs "Environmentally Hazardous") in the transport document used for the carriage of DG in a transport chain including maritime carriage. Statement in English language only is authorized IAW ADR/RID.

Attachment 5

RAMSTEIN AB, IDGA CHECKLIST I/C

Ramstein AB, IDGA Checklist I/C

ROAD TRANSPORTATION OF DANGEROUS GOODS (on/off Base)

Inspection Ref. No. _____

Vehicle Equipment (Ref.: Section 8.1.5, ADR; Miscellaneous Equipment and equipment for personal protection)

Equipment / Danger Label	1.*	2.1	2.2	2.3	3	4.1	4.2	4.3	5.*	6.1	6.2	7	8	9	Complete/accurate	Discrepant	N/A
a. Wheel chock	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
b. Two self standing warning signs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
c. Eye rinsing liquid ¹					X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
d. Fire Extinguisher(s) ²	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
e. Warning vest(s) ³	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
f. A pair of protective gloves ³	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
g. Eye Protection (protective goggles) ³	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
h. Portable Lighting apparatus (flashlight) ³	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
i. Emergency escape mask				X					X						<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
j. A shovel ⁴					X	X		X					X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
k. A drain seal ⁴					X	X		X					X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A
l. A collecting container ⁴					X	X		X					X	X	<input checked="" type="checkbox"/> Complete/accurate	<input type="checkbox"/> Discrepant	<input type="checkbox"/> N/A

NOTES:

¹ Not required for label numbers 1, 1.4, 1.5, 1.6, 2.1, 2.2 and 2.3² See IDGA Checklist I/D³ Equipment required for each member of the vehicle crew⁴ Only required for solids and liquids with danger label numbers 3, 4.1, 4.3, 8 or 9

* Includes sub-classes (e.g. 1.2 or 5.1)

Caution: Regardless of quantity or type of dangerous goods; all vehicles must be equipped with a first aid kit, a warning triangle, wheel chock(s), and a warning light (required for vehicles with permissible mass of more than 3.5 tons).

Remarks.....

Inspector:.....

Name (print)

Signature

Date

Attachment 6

RAMSTEIN AB, IDGA CHECKLIST I/D

Ramstein AB, IDGA Checklist I/D

ROAD TRANSPORTATION OF DANGEROUS GOODS (on/off Base)

Inspection Ref. No. _____

Fire-Fighting Equipment (Ref.: Section 8.14, ADR)

Transport unit size ¹	Minimum number of fire extinguishers required	Total mass of all fire extinguishers ²	Total mass for a single fire extinguisher ³	Complete/accurate	Discrepant	N/A
a. Carriage IAW "1.1.3.6.3"	1 x	2 kg	2 kg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. <= 3.5 tons	2 x	4 kg	2 kg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. > 3.5 - 7.5 tons	2 x	8 kg	6 kg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. > 7.5 tons	2 x	12 kg	6 kg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes:						
¹ Maximum permissible mass of transport unit						
² Minimum capacity per transport unit (includes all fire extinguishers)						
³ At least one of the fire extinguishers must have the minimum capacity as outlined						
e. ABC type extinguisher used (Norm: EN 3-7:2004 + A1)				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Required seals not damaged				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Marking indicating month/year of next recurring inspection				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Inspection date not exceeded (inspection is due every 2 years)				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Protected against effects of weather				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Easily accessible to vehicle crew				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other/Remarks.....

Inspector..... Name (print) Signature Date

RAMSTEIN AB, IDGA CHECKLIST I/E

ROAD TRANSPORTATION OF DANGEROUS GOODS (on/off Base)

Mixed Loading (Ref.: Section 7.5.2, ADR)

X = Mixed loading permitted
(see reverse page for Notes)

Labels Nos.	1	1.4	1.5	1.6	2.1, 2.2, 2.3	3	4.1	4.1 +1	4.2	4.3	5.1	5.2	5.2 +1	6.1	6.2	7 A, B, C	8	9
1	See 7.5.2.2										d							b
1.4					a	a	a		a	a	a	a		a	a	a	a	b c
1.5																		b
1.6																		b
2.1, 2.2, 2.3		a			X	X	X		X	X	X	X		X	X	X	X	X
3		a			X	X	X		X	X	X	X		X	X	X	X	X
4.1		a			X	X	X		X	X	X	X		X	X	X	X	X
4.1 + 1								X										
4.2		a			X	X	X		X	X	X	X		X	X	X	X	X
4.3		a			X	X	X		X	X	X	X		X	X	X	X	X
5.1	d	a			X	X	X		X	X	X	X		X	X	X	X	X
5.2		a			X	X	X		X	X	X	X		X	X	X	X	X
5.2 + 1													X					
6.1		a			X	X	X		X	X	X	X		X	X	X	X	X
6.2		a			X	X	X		X	X	X	X		X	X	X	X	X
7A, B, C		a			X	X	X		X	X	X	X		X	X	X	X	X
8		a			X	X	X		X	X	X	X		X	X	X	X	X
9	b	a b c	b	b	X	X	X		X	X	X	X		X	X	X	X	X

[illegible]

Notes:

Table A

- ^a *Mixed loading permitted with 1.4S substances and articles.*
- ^b *Mixed loading permitted between goods of Class 1 and life-saving appliances of Class 9 (UN Nos. 2990, 3072 and 3268).*
- ^c *Mixed loading permitted between air bag inflators, or air bag modules, or seat-belt pretensioners of Division 1.4, compatibility group G, (UN No. 0503) and air bag inflators or air bag modules or seat-belt pretensioners of Class 9 (UN No. 3268).*
- ^d *Mixed loading permitted between blasting explosives (except UN No. 0083 explosive, blasting, type C) and ammonium nitrate (UN Nos. 1942 and 2067) and alkali metal nitrates and alkaline earth metal nitrates provided the aggregate is treated as blasting explosives under Class 1 for the purposes of placarding, segregation, stowage and maximum permissible load. Alkali metal nitrates include caesium nitrate (UN 1451), lithium nitrate (UN 2722), potassium nitrate (UN 1486), rubidium nitrate (UN 1477) and sodium nitrate (UN 1498). Alkaline earth metal nitrates include barium nitrate (UN 1446), beryllium nitrate (UN 2464), calcium nitrate (UN 1454), magnesium nitrate (UN 1474) and strontium nitrate (UN 1507).*

Table B

- ^a *Packages containing articles of compatibility group B and those containing substances or articles of compatibility group D may be loaded together on one vehicle or in one container provided they are effectively segregated such that there is no danger of transmission of detonation from the articles of compatibility group B to the substances or articles of compatibility group D. Segregation shall be achieved by the use of separate compartments or by placing one of the two types of explosive in a special containment system. Either method of segregation shall be approved by the competent authority.*
- ^b *Different types of articles of division 1.6, compatibility group N, may be carried together as articles of division 1.6, compatibility group N, only when it is proven by testing or analogy that there is no additional risk of sympathetic detonation between the articles. Otherwise they should be treated as hazard division 1.1.*
- ^c *When articles of compatibility group N are carried with substances or articles of compatibility groups C, D or E, the articles of compatibility group N should be considered as having the characteristics of compatibility group D.*
- ^d *Packages containing substances and articles of Compatibility Group L may be loaded together on one vehicle or in one container with packages containing the same type of substances and articles of that compatibility group.*

Attachment 8

RAMSTEIN AB, IDGA CHECKLIST I/F

Ramstein AB, IDGA Checklist I/F

MULTIMODAL TRANSPORTATION OF DANGEROUS GOODS (off Base)

Inspection Ref. No. _____

Packaging, Placarding & Marking

	OBO	ADR	RID	IMDG	Inspection Status		
1. Packaging Requirements							
a. Package complies with packaging instruction	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
b. Packaging Codes (POP markings)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
c. Weight limits not exceeded	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
d. Period of use for plastic containers not exceeded ¹	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
e. Marking and labeling of packages							
(1) UN Number	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(2) "OVERPACK" marking	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(3) "SALVAGE" marking	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(4) Orientation arrows (Ref.: Section 5.2.1, ADR/RID/IMDG) ²	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(5) Proper Shipping Name (Class 1)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(6) Proper Shipping Name (Classes 2-9)				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(7) PSN supplemented with technical name (for "N.O.S. and Marine Pollutants")				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(8) 'Hazard' labels (Ref.: Chap 5.2, ADR/RID/IMDG)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(9) Environmentally hazardous marking ³	X	X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(10) Marine Pollutant mark ⁴				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
(11) IBCs and large packagings marked & labeled on two opposing sides	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
f. GHS/CLP markings (Ref.: EG 1272/2008, Art. 33) ⁵	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
g. Limited- or excepted quantity marks affixed on packages (10x10 cm)	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
2. Placarding & Marking (Ref.: Chap 5.3, ADR/RID/IMDG)							
a. Orange colored plate marking (Ref.: Section 5.3.2, ADR/RID) ⁶	X	X	X ⁷		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
b. Proper placards affixed on all four sides of the container ⁸	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
c. Proper placards affixed on both sides and the end of the vehicle ⁹	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
d. Proper placards affixed on both sides and the end of the tank-vehicle ¹⁰	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
e. Most dangerous division outlined on placards for mixed loads of Class 1 ¹¹		X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
f. Compatibility groups (CG) not indicated on placards for loads with mixed CG ¹²		X	X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
g. Environmentally hazardous substance mark affixed on containers & tank-vehicles ¹³	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
h. UN Number displayed on CTUs carrying > 4000 kg of single type of DG ¹⁴				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
i. Proper Shipping Name (PSN) displayed on both sides of the CTU ¹⁵				X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
j. Shunting labels affixed on railcars ¹⁶			X		<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A
k. Limited quantity marks affixed on CTUs (25x25 cm) ¹⁷	X	X	X	X	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	<input type="checkbox"/> N/A

Remarks:.....

Inspector:.....

Name (print)

Signature

Date

[See reverse page for NOTES]

NOTES:

OBO = On Base Only (minimum requirement - applies to the carriage of dangerous goods (DG) within fenced boundaries of military installations)
 ADR = European Agreement Concerning the International Carriage of Dangerous Goods by Road (comply when moving DG off the installation)
 RID = Regulations Concerning the International Carriage of Dangerous Goods by Rail (comply when moving DG in a transportation chain incl. rail)
 IMDG-Code = International Maritime Dangerous Goods Code (comply when moving DG in transportation a chain incl. seallift)
 DG = Dangerous Goods (hazardous material and hazardous waste)
 CTU = Cargo Transport Unit

¹ For plastics containers, unless otherwise approved by the competent authority, the period of use permitted for the carriage of dangerous substances is 5 years, except where a shorter period of use is prescribed (e.g. 2 years for UN 1790 & UN 2031 IAW SP PP81).

² Required for combination packages containing inner packages filled with liquids (Exemption: Combination packages containing hermetically sealed inner packages with not more than 500 ml each); Single packages fitted with vents; Cryogenic receptacles carrying liquefied gases.

³ Applies to UN3077 & UN3082 and dangerous goods classified as environmentally hazardous IAW Para 2.2.9.1.10.5, ADR/RID. Marking is required on single packages or inner packages of combination packages exceeding 5 liters for liquids and 5 kg for solids. Marking is not required on 'Overpack'.

⁴ Applies to UN3077 & UN3082 (see MSDS); dangerous goods classified as environmentally hazardous substances (aquatic environment) IAW Para 2.2.9.3, IMDG-Code (see MSDS); and dangerous goods coded 'P' in Index and/or in the Dangerous Goods List, Part 3 of IMDG. Marking is required on single packages or inner packages of combination packages exceeding 5 liters for liquids and 5 kg for solids. Marking is required on 'Overpack'.

⁵ EG-GHS labels (showing Pictogram, Signal Words etc. - see Art. 16 of CLP) are required on: all single packages; inner and outer packages of combination packages (not required on outer package if dangerous goods labels are affixed). EG-MSDS, Part 2 provides information on hazard identification, GHS-Classification and labeling.

⁶ Transport units carrying DG must display two rectangular orange-colored plates (to be mounted at the front and the rear of the vehicle). Orange-colored plates affixed on tank-vehicles must also bear the UN number (lower half) and the hazard identification number (upper half).

⁷ Vehicles and their contents handed over for piggyback transport must meet the provisions of ADR (Ref.: 1.1.4.4, RID).

⁸ Containers (e.g. ISOs, MILVANS and tank-containers) must be affixed with placards (min 25x25cm in size) identifying the hazard(s) of the contents. With respect to colors and symbols, Placards shall have the same design as labels (correspond to 5.2.2.2, ADR/RID/IMDG). No placards are required for ammunition/explosives of Division 1.4, compatibility group S.

⁹ Vehicles used for the carriage of class 1 & 7 (other than in containers) must be affixed with placards described in Note ⁸.

¹⁰ Tank-vehicles must always be affixed with corresponding placards, unless tanks are drained and purged.

¹¹ Most dangerous Division in the order 1.1 (most dangerous), 1.5, 1.2, 1.3, 1.6, 1.4 (least dangerous) – Ref.: 5.3.1.1.2, ADR/RID/IMDG-Code

¹² For Class 1, compatibility groups shall not be indicated on placards if the vehicle or container is carrying substances or articles belonging to two or more compatibility groups.

¹³ Mark is required on containers and tank-vehicles carrying environmentally hazardous substances meeting the criteria of 2.2.9.1.10, ADR/RID. Equivalent marine pollutant mark is required when moving DG defined as marine pollutants in transport chain including seallift. Marine Pollutant marks are still required even packages may be exempt from labeling IAW Note⁴. Review MSDS for classification details.

¹⁴ Display UN Number (within the placard or next to the placard – Ref. 5.3.2.1, IMDG) when DG is loaded in excess of 4000 kg gross mass, to which only one UN Number has been assigned and which are the only dangerous goods in the transport unit.

¹⁵ PSN of the contents must durably be marked on at least both sides of: Tank transport units; bulk containers and any other CTUs containing packaged DG of a single commodity for which no placard, UN Number or marine pollutant mark is required. Alternatively, the UN Number may be displayed.

¹⁶ Shunting labels confirming to Models 13 or 15 must be affixed on both sides of railcars carrying DG (mostly Class 1), if model numbers are assigned to DG listed in Chap 3.2, table A, Column 5, DG list, RID.

¹⁷ IMDG-Code: Always. ADR/RID: Exempt under certain conditions – see Chap 3.4

Attachment 9

RAMSTEIN AB, IDGA CHECKLIST II/A

Ramstein AB, IDGA Checklist II/A

ROAD TRANSPORTATION OF DANGEROUS GOODS IAW 1.1.3.1 c), ADR (on/off Base)¹

Inspection Ref. No. _____

I. Location of check..... II. Date..... III. Time.....

IV. License plate of vehicle..... V. License plate of trailer.....

VI. Type of vehicle ☐ Van (closed) ☐ Pick-up truck ☐ Tractor/Trailer ☐ Other.....

VII. Driver..... PPN:.....

VIII. Consignor (address).....

IX. Consignee (address).....

1. Driver

- | | | | |
|--|--|-------------------------------------|------------------------------|
| a. Valid driver's license | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| b. Driver briefed on contents/limits of Dangerous Goods (see No. 2) | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| c. Driver briefed on emergency actions to be taken in case of an incident/accident | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| d. Driver informed on no smoking rules ¹² | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |

2. Carriage (the below limits must not be exceeded)

- | | | | |
|--|--|-------------------------------------|------------------------------|
| a. Maximum 450 liters per package | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| b. Threshold limits specified in 1.1.3.6.3, ADR | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| c. Class/Division 1.1 – 1.4; 3 kg total NEW ¹³ per transport unit | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| d. Class/Division 1.1 – 1.3; 5 kg gross weight per transport unit | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| e. Class/Division 1.4; 20 kg gross weight per transport unit | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| f. Radioactive material (Class 7) not authorized for movement | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| g. One kg net mass per vehicle must not be exceeded for the following: | | | |
| (1) Class 4.1; Solid Desensitized Explosives ² | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| (2) Class 4.1; Self-Reactive Substances (solids & liquids) ³ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| (3) Substances related to Self-Reactive Substances; Class 4.1 ⁴ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| (4) Class 4.2; Substances assigned to Packaging Group I & II | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| (5) Class 4.3; Substances assigned to Packaging Group I & II | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| (6) Class 5.1; Substances assigned to Packaging Group I | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| (7) Class 5.2; All Packaging Groups | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |

3. Packaging

- | | | | |
|--|--|-------------------------------------|------------------------------|
| a. Have measures been taken to prevent leakage of contents ¹¹ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| b. Packing complies with general provisions of section 4.1.1.2, ADR ⁵ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| c. Packing complies with mixed packing provisions; 4.1.1.6, ADR ⁶ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| d. Packing of Class 2 items comply with section 4.1.6.8, ADR ⁷ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| e. Marking of packaging according to CLP/GHS ⁸ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |

4. Vehicle & Equipment

- | | | | |
|---|--|-------------------------------------|------------------------------|
| a. Open or ventilated vehicle required IAW Special Provision CV36 ⁹ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| b. Type of vehicle authorized for the carriage of dangerous goods ¹⁰ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| c. Maximum loading capacity of vehicle not exceeded | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| d. Load is secured to prevent movement during carriage | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| e. Warning Vest for vehicle driver (off-base only) | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| f. First Aid Kit | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| g. Warning Triangle | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| h. Warning Light (> 3.5 ton truck) ¹⁴ | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |
| i. Wheel Chock | <input type="checkbox"/> Complete/accurate | <input type="checkbox"/> Discrepant | <input type="checkbox"/> N/A |

Remarks:.....

X. Inspector:.....

Name (print)

Signature

Date

[See reverse page for NOTES]

NOTES:

¹ IAW paragraph 1.1.3.1.c), ADR this checklist only applies to the carriage of Dangerous Goods undertaken by units which is ancillary to their main activity such as deliveries to or returns from building or civil engineering sites. Carriage undertaken for supply or external or internal distribution does not fall within the scope of this exemption.

² Solid desensitized explosives assigned to Class 4.1 (with classification codes 'D' or 'DT')

Definition: Solid desensitized explosives are substances which are wetted with water or alcohols or are diluted with other substances to suppress their explosive properties. Such entries in Table A of Chapter 3.2 are: UN Nos. 1310, 1320, 1321, 1322, 1336, 1337, 1344, 1347, 1348, 1349, 1354, 1355, 1356, 1357, 1517, 1571, 2555, 2556, 2557, 2852, 2907, 3317, 3319, 3344, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3376 and 3380.

³ Self-reactive substances (solids & liquids) assigned to Class 4.1 (Type B – F; Type A is forbidden for transportation). Samples for self-reactive substances are: UN Nos. 3221, 3222, 3223, 3224, 3225 – 3240.

⁴ Such as: UN Nos. 2956, 3241, 3242 and 3251.

⁵ Parts of packagings, including IBCs and large packagings, which are in direct contact with dangerous goods:

- (a) shall not be affected or significantly weakened by those dangerous goods; and
- (b) shall not cause a dangerous effect e.g. catalysing a reaction or reacting with the dangerous goods.

Where necessary, they shall be provided with a suitable inner coating or treatment

Sample: Period of use for plastic receptacles is 5 years; or 2 years if filled with UN 1790 & UN 2031; Ref.: 4.1.1.15, ADR

⁶ Dangerous goods shall not be packed together in the same outer packaging or in large packaging, with dangerous or other goods if they react dangerously with each other. See 4.1.10, ADR for mixed packing special provisions.

⁷ Valves shall be designed and constructed in such a way that they are inherently able to withstand damage without release of the contents or shall be protected from damage which could cause inadvertent release of the contents of the pressure receptacle, by one of the following methods (see also table of standards at the end of this section):

- (a) Valves are placed inside the neck of the pressure receptacle and protected by a threaded plug or cap;
- (b) Valves are protected by caps. Caps shall possess vent-holes of sufficient cross-sectional area to evacuate the gas if leakage occurs at the valves;
- (c) Valves are protected by shrouds or guards;
- (d) Pressure receptacles are carried in frames, (e.g. cylinders in bundles); or
- (e) Pressure receptacles are carried in protective boxes.

⁸ Outside package must be marked with label and hazard pictogram(s) according to CLP/GHS (EG 1272/2008 or 67/548/EWG). Pictograms may not be required if packages are already marked or labeled IAW Part 5, ADR.

⁹ Dangerous Goods coded 'CV36' in column 18, table A of Chapter 3.2, ADR must be carried in open or ventilated vehicles with cab always separated from loading compartment.

¹⁰ Type of vehicle must be designed and authorized for transport of DG; e.g. diesel engine requirement for ammunition & explosives, loading compartment must be equipped with proper lashing points for tie down tie lashings or designed for equivalent load securing equipment. POVs not authorized for the carriage of DG.

¹¹ Measures must be taken to prevent leakage of contents during normal conditions of transportation (see 4.1.1.1, ADR). Packages must be clean and not damaged. Residues of filling substances must not adhere to the outside of the packages. Openings must be closed, sealed and protected against inadvertent discharge.

¹² No smoking authorized during loading, unloading and in vehicles when handling/transporting dangerous goods.

¹³ NEW = Net Explosive Weight

¹⁴ Required for off-base only (Ref.: STVZO / STVO)

Attachment 10

RAMSTEIN AB, IDGA CHECKLIST II/B

Ramstein AB, IDGA Checklist II/B

ROAD TRANSPORTATION OF DANGEROUS GOODS IAW 1.1.3.1 c), ADR (on/off Base)¹**Inspection Ref. No.** _____

I. Inspektionsort:..... II. Datum:..... III. Uhrzeit:.....

IV. Fahrzeugkennzeichen:..... V. Kennzeichen d. Anhaengers:.....

VI. Fahrzeugtyp ☐ "Van" (geschlossen) ☐ "Pick-up" ☐ Zugmaschine mit Anhaenger ☐ Sonstiges.....

VII. Fahrer: PPN:.....

VIII. Absender (Adresse):.....

IX. Empfänger (Adresse):.....

1. Fahrer

- | | | | |
|---|---------------------------------------|--|------------------------------|
| a. Gueltiger Fuehrerschein | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| b. Fahrer wurde ueber das gefaehrliche Gut und Freigrenzen (gemaess Nr. 2) unterwiesen | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| c. Fahrer wurde ueber die bei einem Unfall oder Notfall zu ergreifenden Notfallmassnahmen unterwiesen | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| d. Fahrer wurde ueber das Rauchverbot informiert ¹² | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |

2. Befoerderung (folgende Mengengrenzen sind nicht zu ueberschreiten)

- | | | | |
|---|---------------------------------------|--|------------------------------|
| a. Maximal 450 Liter je Verpackung | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| b. Festgesetzte Hoechstmengen in 1.1.3.6.3, ADR | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| c. Unterklasse 1.1 – 1.4; 3 kg total NEM ¹³ je Befoerderungseinheit | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| d. Unterklasse 1.1 – 1.3; 5 kg Bruttomasse je Befoerderungseinheit | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| e. Unterklasse 1.4; 20 kg Bruttomasse je Befoerderungseinheit | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| f. Radioaktive Stoffe (Klasse 7); Transport nicht erlaubt | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| g. Maximal 1 kg Nettomasse je Befoerderungseinheit fuer die folgende Stoffe und Gegenstaende: | | | |
| (1) Klasse 4.1; Desensibilisierte explosive feste Stoffe ² | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| (2) Klasse 4.1; Selbstzersetzliche feste u. fluessige Stoffe ³ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| (3) Mit selbstzersetzlichen Stoffen verwandte Stoffe der Klasse 4.1 ⁴ | | | |
| (4) Klasse 4.2; Stoffe der Verpackungsgruppen I & II | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| (5) Klasse 4.3; Stoffe der Verpackungsgruppen I & II | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| (6) Klasse 5.1; Stoffe der Verpackungsgruppen I | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| (7) Klasse 5.2; Alle Verpackungsgruppen | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |

3. Verpackungsvorschriften

- | | | | |
|---|---------------------------------------|--|------------------------------|
| a. Massnahmen gegen Austreten des Inhalts der Verpackung ¹¹ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| b. Allgemeine Verpackungsvorschriften gemaess 4.1.1.2, ADR ⁵ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| c. Vorschriften fuer die Zusammenpackung; 4.1.1.6, ADR ⁶ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| d. Allgemeine Verpackungsvorschriften der Klasse 2; 4.1.6.8, ADR ⁷ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| e. Kennzeichnungsetikett gemaess CLP/GHS ⁸ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |

4. Fahrzeug & Ausruestung

- | | | | |
|--|---------------------------------------|--|------------------------------|
| a. Offene oder belueftete Fahrzeuge gemaess Sondervorschrift CV36 ⁹ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| b. Fahrzeugtyp fuer den Transport von Gefaehrut geeignet ¹⁰ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| c. Zulaessiges Gesamtgewicht nicht ueberschritten | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| d. Ladung wurde gegen Verrutschen gesichert | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| e. Warnweste fuer den Fahrzeugfuehrer ¹⁴ | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| f. Erste Hilfe Kasten | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| g. Warndreieck | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| h. Warnleuchte ¹⁴ (fuer Fahrzeuge > 3.5 t zul. Gesamtgewicht) | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |
| i. Unterlegkeil | <input type="checkbox"/> Kontrolliert | <input type="checkbox"/> Verstoss festgestellt | <input type="checkbox"/> N/A |

Remarks:.....

X. Inspector:.....

Name (print)
[Siehe Rueckseite fuer Bemerkungen]

Signature

Date

Bemerkungen:

¹ Gemaess Unterschnitt 1.1.3.1.c), ADR betrifft die Kontrollliste nur Befoederungen von Gefahrgueter, welche von den Einheiten in Verbindung ihrer Haupttaetigkeit durchgefuehrt werden (z.B. Lieferungen zum direkten Verbrauch auf Baustellen – z.B. Farbe im Fahrzeug des Malers). Befoederungen zur internen oder externen Versorgung des Unternehmens fallen nicht unter die Ausnahme.

² Desensibilisierte explosive feste Stoffe der Klasse 4.1 (Klassifizierungscodes 'D' or 'DT')

Definition: Desensibilisierte explosive feste Stoffe sind Stoffe die mit Wasser oder Alkoholen angefeuchtet oder mit anderen Stoffen verdueunt sind, um ihre explosiven Eigenschaften zu unterdruecken. In Kapitel 3.2, Tabelle A sind dies die Eintragungen der UN-Nummern 1310, 1320, 1321, 1322, 1336, 1337, 1344, 1347, 1348, 1349, 1354, 1355, 1356, 1357, 1517, 1571, 2555, 2556, 2557, 2852, 2907, 3317, 3319, 3344, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3376 and 3380.

³ Selbstzersetzliche feste u. fluessige Stoffe der Klasse 4.1 (Type B – F; Type A ist fuer den Transport verboten). Beispiele fuer selbstzersetzliche feste u. fluessige Stoffe sind UN Nummern 3221, 3222, 3223, 3224, 3225 – 3240.

⁴ z.B. UN Nummern 2956, 3241, 3242 and 3251.

⁵ Die Teile der Verpackungen, die unmittelbar mit gefährlichen Gütern in Berührung kommen:

- a) dürfen durch diese gefährlichen Güter nicht angegriffen oder erheblich geschwächt werden,
- b) dürfen keinen gefährlichen Effekt auslösen, z.B. eine Reaktion mit den gefährlichen Gütern, und sofern erforderlich müssen sie mit einer geeigneten Innenauskleidung oder -behandlung versehen sein.

Bsp: Die zulaessige Verwendungsdauer fuer Faesser/Kanister aus Kunststoff betraegt 5 Jahre bzw. 2 Jahre fuer Stoffe der UN 1790 & UN 2031; Ref.: 4.1.1.15, ADR

⁶ Gefährliche Güter dürfen nicht mit gefährlichen oder anderen Gütern zusammen in dieselbe Außenverpackung oder in Großverpackungen verpackt werden, wenn sie miteinander gefährlich reagieren. Siehe 4.1.10, ADR fuer die Sondervorschriften fuer die Zusammenpackung.

⁷ Die Verschlussventile müssen so ausgelegt und gebaut sein, dass sie von sich aus in der Lage sind, Beschädigungen ohne Freiwerden von Füllgut standzuhalten, oder sie müssen durch eine oder mehrere der folgenden Methoden gegen Beschädigungen, die zu einem unbeabsichtigten Freiwerden von Füllgut des Druckgefäßes führen können, geschützt sein (siehe auch Verzeichnis der Normen am Ende dieses Abschnitts):

- a) die Verschlussventile sind im Innern des Gefäßhalses angebracht und durch einen aufgeschraubten Stopfen oder eine Schutzkappe geschützt;
- b) die Verschlussventile sind durch Schutzkappen geschützt. Die Schutzkappen müssen mit Entlüftungslöchern mit genügendem Querschnitt versehen sein, damit bei einem Undichtwerden der Verschlussventile die Gase entweichen können;
- c) die Verschlussventile sind durch einen Verstärkungsrand oder durch andere Schutzvorrichtungen geschützt;
- d) die Druckgefäße werden in Schutzrahmen befördert (z.B. Flaschen in Bündeln) oder
- e) die Druckgefäße werden in Schutzkisten befördert.

⁸ Die Aussenseite der Verpackung muss mit der GHS-Kennzeichnung sowie Gefahrenpiktogramm gemäss CLP/GHS (EG 1272/2008 or 67/548/EWG) versehen sein. Gefahrenpiktogramme sind jedoch nicht notwendig, wenn bereits Gefahrgutzettel gemäss Teil 5, ADR angebracht sind.

⁹ Gefahrgueter, fuer welche die Sondervorschrift 'CV36' gilt (Spalte 18, Tabelle A des Kapitels 3.2, ADR), muessen in offenen oder beluefteten Fahrzeugen (und von Ladeflaeche getrennter Fahrzeuggabine) befoerdert werden.

¹⁰ Der Fahrzeugtyp muss fuer die Befoederung von Gefahrgut geeignet und zugelassen sein; z.B. Dieselantrieb fuer die Befoederung von Munition und Explosivstoffen, Laderaum mit mit Zurrpunkten fuer die Ladungssicherung oder alternativer Ladungssicherung. Private PKWs sind fuer die Befoerdung von Gefahrgueter in diesem Zusammenhang nicht zugelassen.

¹¹ Es sind Maßnahmen zu treffen, die unter normalen Beförderungsbedingungen ein Freiwerden des Inhalts verhindern. Die Verpackungen müssen unbeschädigt, sauber und ohne äußere Anhaftungen sein. Die Verpackungen müssen gemäss den vom Hersteller gelieferten Informationen verschlossen und gegen unbeabsichtigtes Austreten gesichert sein.

¹² Absolutes Rauchverbot gilt waehrend dem Be- und Entladen, sowie beim Transport von Gefahrgueter in Fahrzeugen.

¹³ NEM = Netto Explosivmasse

¹⁴ Nur erforderlich beim Verlassen des Flugplatzgelaendes (Ref.: STVZO bzw. STVO)

Attachment 11

TRAINING – C1. OBLIGATIONS OF THE ORDERING PARTY OF THE SHIPPER/CONSIGNOR

Training - C.1. Obligations of the Ordering Party of the Shipper/Consignor

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 1.1	See USAFE 23-104 for Definition and Duties	S/E	USAFEI 23-104, Para 8.2	
<input type="checkbox"/> 1.2	Is the required information for the movement document concerning identification of the item provided?	S/E	ADR/RID Chap 5.4 & 5.5.2.1	Ensure Shipper receives information required IAW 5.4.1.1, 5.4.1.2 and 5.5.2.1 in writing.
<input type="checkbox"/> 1.3	Are Limited Quantities properly identified?	S/E	ADR/RID Chap 3.4 & 3.5	Inform Shipper on DG IAW Chapter 3.4, LQ (gross weight) and 3.5, excepted quantity (number of packages).
<input type="checkbox"/>				ADR, 1.10 - for the purposes of this Chapter, security means measures or precautions to be taken to minimize theft or misuse of dangerous goods that may endanger persons, property or the environment. If threshold limits specified in Table 1.10.5, ADR are exceeded, a security plan must be developed and personnel be trained according to the contents of the plan.
<input type="checkbox"/> 1.4	Is a Security Plan implemented for high risk DGHW?	S/E	ADR/RID, 1.10	
<input type="checkbox"/> 1.5	Are the routing requirements identified?	S/E	GGVSEB, § 35 & TMR	Advise Shipper (in writing) that carriage is subject to provisions of § 35, GGVSEB (routing)
<input type="checkbox"/> 1.6	Is the information IAW Section 1.1.4.4.5, RID provided to the Shipper in writing?	E	RID, Para 1.1.4.4.5	If carried in piggyback transport the transport document must be annotated with the statement: "Beauforderung gemäss Unterabschnitt 1.1.4.4". The hazard identification number may be entered in the document as described in RID.

* (X) training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 12

TRAINING – C2. OBLIGATIONS OF THE SHIPPER/CONSIGNOR

Training - C.2. Obligations of the Shipper/Consignor

* No.	Function (Ref.: Table A.4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 2.1	See USAFEI 23-104 for Definition and Duties of the Shipper/Consignor	S/E	USAFEI 23-104, Para 8.3 & 8.4	
<input type="checkbox"/> 2.2	Does the transport document include information prescribed in Section 1.1.4.4.5, RID?	E	RID, Para 1.1.4.4.5	If carried in piggyback transport the transport document must be annotated with the statement: "Beauforderung gemäss Unterabschnitt 1.1.4.4." The hazard identification number may be entered in the document as described in RID.
<input type="checkbox"/> 2.3	Are advance shipping documents sent to carrier, loader of ships or planes?	S/E	ADR/RID, 5.4.1.1.1 letter a. to d.	Shipper shall brief the carrier and/or loader on the contents of DG (Information IAW 5.4.1.1.1) and routing requirements IAW § 35 (1), GGVSEB
<input type="checkbox"/> 2.4	Is the movement authorized?	S/E	ADR/RID, Part 2, Chapters 3.2 (Table A) & 3.3	Section 2.2.* 2, ADR (*add applicable DG Class; e.g. 2.2.41.2 to determine DG not accepted for carriage)
<input type="checkbox"/> 2.5	Are entries in the movement document regarding exemptions?	S/E	ADR/RID, 5.4.1.1.1 (i)	Ensure information required by an exemption, agreement or regulation on exemptions is entered into the transport document
<input type="checkbox"/> 2.6	Are the packages, tanks, and transport assets authorized for the movement?	S/E	ADR/RID, Part 4 & 6	Ensure only packagings, large packaging, IBCs, Tanks or ships authorized to carry items IAW Chap 3.2 Table A and Sub-section 1.1.4.3, ADR/RID are being used
<input type="checkbox"/> 2.7	Are the proper markings on packages, tanks, and tank-vehicles?	S/E	ADR/RID, 1.4.2.1.1 c)	Use only packaging, large packaging, intermediate bulk containers (IBCs) and tanks (tank-vehicles, demountable tanks, battery-vehicles, MEGCs, portable tanks and tank containers) approved for and suited to the carriage of the substances concerned and bearing the markings prescribed by ADR,
<input type="checkbox"/> 2.8	Is the Competent Authority notified on Class 7 movements?	S/E	ADR/RID, 5.1.5.1.4	
<input type="checkbox"/> 2.9	Is a copy of the proper certification for Class 7 items available?	S/E	ADR/RID, 5.1.5.2.2	
<input type="checkbox"/> 2.10	Upon request, are proper documents provided to Government Surveillance/Enforcement Agencies?	S/E	USAFEI 23-104, 6.20	Provide documentation concerning DG movements for review by host nation surveillance agency (HNSA) personnel

Training - C.2. Obligations of the Shipper/Consignor

* No.	Function (Ref.: Table A.4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 2.11	Are Hazard Placards displayed on empty, uncleaned, unpurged tanks and large receptacles?	S/E	ADR/RID 5.3.1.6	Empty tank-vehicles, tank-containers and portable tanks etc. uncleaned and not degassed, and empty vehicles and containers for carriage in bulk, uncleaned, shall continue to display the placards required for the previous load.
<input type="checkbox"/> 2.12	Are Orange Warning Placards displayed on empty, uncleaned, unpurged tanks and large receptacles?	E	RID, 5.3.2.1.7	The requirements of 5.3.2.1.1 to 5.3.2.1.5, RID also apply to empty fixed or demountable tanks, battery-vehicles, tank-containers, portable tanks and MEGCs, uncleaned, not degassed or not decontaminated as well as to empty vehicles and containers for carriage in bulk, uncleaned or not decontaminated.
<input type="checkbox"/> 2.13	Are uncleaned, unpurged tanks sealed as if they were full?	S/E	ADR/RID, 4.3.2.4	To be accepted for carriage, empty tanks, battery-vehicles and MEGCs, uncleaned, shall be closed in the same manner and be leakproof to the same degree as if they were full.
<input type="checkbox"/> 2.14	Is a shipping document provided to the carrier?	S/E	ADR/RID, 5.4.1 etc.	Carrier ensures Transport Document is issued to the driver prior to the journey (Ref. GGVSEB § 19 (2) 5) a)
<input type="checkbox"/> 2.15	Are competent authority certificates provided to the carrier on class 7 items?	S/E	ADR/RID, 5.4.1.2.5.4	
<input type="checkbox"/> 2.16	Are copies of container packing certificate, additional information, authorizations provided?	S/E	ADR/RID, Chap 3.3 and Parts 4 and 5	Ensure Transport Document is supplemented by additional documents as required by Special Provisions, Chapter 3.3, and Sections 4.1.3.8.2, 5.4.1.2 and 5.4.2, ADR/RID
<input type="checkbox"/> 2.17	Are warning signs for fumigated load compartments displayed?	S/E	ADR/RID, 5.5.2.2	Inform Loader in writing on fumigated units ADR and ensures applicable language is being used on warning sign required per 5.5.2.2, ADR/RID/ADNR/ADN

Training - C.2. Obligations of the Shipper/Consignor

* No.	Function (Ref.: Table A 4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 2.18	ADR agreements and exemptions	S	§ 5, GGVSEB	Ensure waivers (Multilateral or National Agreements/Waiver) concerning the movement of DGIWW § 5, GGVSEB are issued to the Carrier prior to transportation
<input type="checkbox"/> 2.19	Are the regulations for express cargo obeyed?	E	RID, 7.6	IWW Article 5 § 1 of Appendix C to COTIF, goods are only permitted for carriage as express goods when a special provision with an alphanumeric code beginning with the letters "CE" is shown in column 19 of Table A of Chap 3.2, RID. Provisions of Chap 7.6, RID apply to the carriage of express goods permitted for movement
<input type="checkbox"/> 2.20	Are general safety and security regulations complied with?	E	RID, 1.4.1 & 1.10	Subject to training specified in Sections A, B and D of this handbook
<input type="checkbox"/> 2.21	Is Carrier informed (in advance) on the total gross mass of LQ?	S/E	ADR/RID, 3.4.12	In advance of carriage, shippers/consignors of DG packed in limited quantities shall inform the carrier in a traceable form of the total gross mass of such goods to be consigned.
<input type="checkbox"/> 2.22	Are environmentally hazardous substance marks displayed on empty, uncleaned, unpurged tanks and large receptacles?	E	RID, 5.3.6	Display environmentally hazardous substance marking IAW sections 5.3.6 & 5.2.1.8.3, ADR
<input type="checkbox"/> 2.23	Are placards, orange colored warning plates and environmentally hazardous substance markings displayed?	E	RID, 5.3.1.6, 5.3.2.1.7 and 5.3.6	To be affixed on railcars, containers, tanks and tank-vehicles etc. (if not drained and purged)?
<input type="checkbox"/> 2.24	Are shunting labels conforming to Models 13 and 15 displayed?	E	RID, 5.4.3	

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 13

TRAINING – C3. OBLIGATIONS OF THE DRIVER

Training - C3. Obligations of the Driver

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 3.1	See USAFEI 23-104 for Definition and Duties	S	USAFEI 23-104, Para 8.8	
<input type="checkbox"/> 3.2	Are damaged packages refused for movement?	S	ADR, 1.4.3.1.1 (b) [Loader will...]	In addition to Para 1.4.3.1.1 (b) [Loader will...], the driver shall not carry damaged packages, especially if it is not leakproof, and there are leakages or the possibility of leakages of the dangerous substance
<input type="checkbox"/> 3.3	Are competent authorities and the IDGA/CDGA notified on incidents and accidents during movement?	S	ADR, 5.4.3.4	IAW Instructions in Writing the driver must inform the appropriate emergency services, giving them as much information about the incident or accident and substances involved as possible
<input type="checkbox"/> 3.4	Are routing permits complied with?	S	GGVSEB, § 35 (3)	Routing and Relocation during Road Transport Operations. DG regulated by GGVSEB, § 35 and Atch 1 may be subject to special routing permission. Driver must comply with official routings for shipments provided by host nation via MCT/TMO.
<input type="checkbox"/> 3.5	Are overloads refused for movement?	S	StVZO, §§ 34(3), 69a	Total weight per transport unit and axle weight must not be exceeded
<input type="checkbox"/> 3.6	Is the fill degree and fill temperature (when applicable) complied with?	S	ADR, 4.3.2.2, 4.3.2.3, 4.3.2.5 or Special Provisions IAW 4.3.5	As applicable to tank-vehicles, demountable tanks and tank-containers
<input type="checkbox"/> 3.7	Is the truck stopped when safety is jeopardized?	S	N/A	The Driver is supposed to halt the vehicle if discrepancies have been identified which may harm transportation safety. Driver may pursue carriage as soon as shipment is in compliance with regulation or if authorized by competent authorities.

Training - C.3. Obligations of the Driver

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	3.8 Are all closures hermetically sealed?	S	ADR, 4.3.2.3.3	If driver acts as filler the driver must ensure that the leakproofness of the closures of the tanks, and of the battery-vehicles is checked after the tank is filled. This applies in particular to the upper part of the dip tube
<input type="checkbox"/>	3.9 Are the vehicle operating procedures complied with?	S	ADR, 8.5	In addition to the requirements of Chapters 8.1 to 8.4, when reference is made to them in Column (19) of Table A of Chapter 3.2, the following requirements shall apply to the carriage of the substances or articles concerned. In the event of conflict with the requirements of Chapters 8.1 to 8.4, the requirements of this Chapter shall take precedence.
<input type="checkbox"/>	3.10 Are the hazard placards displayed?	S	ADR, 5.3.1.3 - 5.3.1.6	Ensure applicable placards are affixed according to sections 5.3.1.3 - 5.3.1.6
<input type="checkbox"/>	3.11 Are hazard placards removed or covered when empty, drained and purged?	S	ADR, 5.3.1.1.5	Ensure applicable placards are removed/covered according to section 5.3.1.1.5
<input type="checkbox"/>	3.12 Are the orange warning placards and required markings displayed?	S	ADR, 5.3.2; 5.3.3, 5.3.6 + 5.5.2.3.1	Ensure orange colored plates and markings for elevated temperature substances and environmentally hazardous substances are affixed to the transport unit
<input type="checkbox"/>	3.13 Are the orange warning placards and markings removed or covered when empty, drained and purged?	S	ADR, 5.3.2.1.8	Ensure orange colored plates and markings for elevated temperature substances and environmentally hazardous substances are removed from the transport unit

Training - C.3. Obligations of the Driver

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	3.14 Are the measures contained in the Instructions in Writing applied and understood?	S	ADR, 5.4.3	Written instructions shall be provided by the carrier to the vehicle crew in languages that each member can read and understand. The carrier must ensure that each member of the crew understands and is capable of carrying out the instructions properly.
<input type="checkbox"/>	3.15 Are the proper documents and equipment aboard the vehicle and are they provided upon request for and are they provided upon request for checking/inspecting by the DGA or official authorities?	S	ADR, 8.1.2.1 - 8.1.2.2, 6.8.2.4.5, 8.1.4.1 - 8.1.4.2, 8.1.5, 1.5.1 (Waivers)	In addition to documents and equipment required under other regulations, documents/ equipment as referenced in Chapter 8.1 shall be carried on the transport unit.
<input type="checkbox"/>	3.16 Is the ADR driver certificate valid and available?	S	ADR, 8.2.2.8	Driver must carry a valid certificate of driver's training according to section 8.2.2.8 if the load on the transport unit is exceeding the exemption limits prescribed in 1.1.3.6, ADR
<input type="checkbox"/>	3.17 Are the passenger rules complied with?	S	ADR, 8.3.1	Apart from members of the vehicle crew, no passengers may be carried in transport unit carrying dangerous goods.
<input type="checkbox"/>	3.18 Are the proper hand lamps available?	S	ADR, 8.3.4	(S2) Portable lamps: Closed vehicles carrying liquids having a flash-point of not more than 60 °C or flammable substances or article of Class 2, shall not be entered by persons carrying lighting apparatus other than portable lamps so designed and constructed that they cannot ignite any flammable vapors or gases which may have penetrated into the interior of the vehicle.
<input type="checkbox"/>	3.19 Is the parking brake applied during halts?	S	ADR, 8.3.7	Use of the parking brakes and wheel chocks (8.1.5.2)
<input type="checkbox"/>	3.20 Are the vehicle surveillance regulations complied with?	S	ADR, 8.4 (in conjunction with 8.5)	Requirements concerning the supervision of vehicles

Training - C.3. Obligations of the Driver

*	No.	Function (Ref.: Table A4.1, USAFEL 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>					Ensure residue of substances previously carried adhering to the outside of the shell or service equipment are removed. No dangerous residue of the filling substance shall adhere to the outside of the tank during carriage.
	3.21	Is dangerous residue removed prior to departure?	S	ADR, 4.2.1.9.6 (b) and 4.3.2.3.5	
<input type="checkbox"/>	3.22	Is the driver intoxicated?	S	StVG 24(a) & Attach (to § 24(a))	§ 24(a) StVG; List of (forbidden) stimulating agents and substances
<input type="checkbox"/>					Loader and Driver must comply with the requirements relating orientation of packages and overpacks IAW Section 3.4.8 letter c and the provisions concerning loading, unloading and handling (incl. load securing) IAW Sub-sections 7.5.1.1, 7.5.1.2, 7.5.1.3 sentence 2, and 7.5.1.4, 7.5.1.5 and Sections 7.5.2, 7.5.5, 7.5.7, 7.5.8 and 7.5.11 ADR.
	3.23	Are loading and load securing regulations complied with?	S	ADR, 7.5.7	The unloading shall not be carried out, if inspections according to 7.5.1.2 reveal deficiencies that might affect the safety or the security of the unloading. During loading and unloading, packages containing dangerous goods shall be protected from being damaged.
<input type="checkbox"/>				ADR, 7.5.1.3 and 7.5.7.3	
	3.24	Are off-loading safety regulations complied with?	S		Cleaning of vehicles or containers after unloading or before reloading. IAW Special Provision CV13; If any substances have leaked and been spilled in a vehicle or container, it may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected or decontaminated.
<input type="checkbox"/>					
	3.25	Are the transport assets cleaned, drained, purged, decontaminated, as applicable, after off-loading?	S	ADR, 7.5.8 & 7.5.11 CV13	

Training - C.3. Obligations of the Driver

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 3.26	Are regulations concerning filling, emptying, and electrostatic discharge complied with?	S	ADR, 7.5.10	In the case of flammable gases, or liquids with a flash-point of 60 °C or below, or UN No. 1361, carbon or carbon black, packing group II, a good electrical connection from the chassis of the vehicle, the portable tank or the tank-container to earth shall be established before tanks are filled or emptied. In addition, the rate of filling shall be limited.
<input type="checkbox"/> 3.27	Are the prohibitions on smoking, fire, and flames obeyed?	S	ADR, 7.5.9, 8.3.5, 7.5.11 (CV 2 (2)), 8.5 (S1 (3))	Smoking, the use of fire or naked flame may be prohibited on vehicles carrying DG and in their vicinity and during the loading and unloading of these substances and articles - as directed in Parts 7 and 8, ADR and according to special provisions assigned to DG
<input type="checkbox"/> 3.28	Are the precautions concerning food stuff/animal feeds and DG/HW complied with?	S	ADR, 7.5.4	Precautions with respect to foodstuff, other articles of consumption and animal feed
<input type="checkbox"/> 3.29	During halts, are the regulations regarding shading from sunlight and all sources of heat, and adequately vented areas complied with?	S	ADR, 3.3.1 SP 314 (b)	DG assigned to Special Provision 314 shall be protected from direct sunlight and all sources of heat and be placed in adequately ventilated areas.
<input type="checkbox"/> 3.30	Where required, are open or vented vehicles used, or are the closed vehicles in that case properly marked?	S	ADR, 7.5.11 IAW CV36	DG assigned to Special Provision (for carriage) CV36 shall preferably be loaded in open or ventilated vehicles or open or ventilated containers and marked accordingly. Contact Installation DGA for more information!

Training - C.3. Obligations of the Driver

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>				Transport activities in conjunction with piggyback transport (§35, subsection 4 paragraph 2 letter b), participation in piggyback transport shall be substantiated for road transport to the station by a reservation confirmation issued by the Railway Administration or the agencies authorized by it and, for dispatch by road, by the transport document for rail transport. Entries in the transport document shall include the name of the railhead or port of embarkation and the statement "Beförderung nach §35, Absatz 4 Nummer 2, GGVSEB / Carriage IAW §35, subsection 4 paragraph 2 letter b, GGVSEB"
3.31	In case of piggy back rail traffic, is the reservation confirmation available?	S	N/A	
<input type="checkbox"/>	3.32 Are tunnel restrictions complied with?	S	ADR, 1.9.5 and 8.6	Road Tunnel Restrictions for the Passage of Vehicles carrying Dangerous Goods
<input type="checkbox"/>	3.33 Are the provisions concerning carriage in packages observed?	S	ADR/RID, Chap 7.2	Provisions concerning the carriage in Packages
<input type="checkbox"/>	3.34 Are hazard placards displayed on empty, uncleaned, unpurged tanks and large receptacles?	S/E	ADR/RID, 5.1.3.1	Empty uncleaned packagings (including IBCs and large packagings), tanks (including tank vehicles, battery-vehicles, demountable tanks, portable tanks, tank-containers, MEGCs), vehicles and containers for carriage in bulk having contained dangerous goods of the different classes other than Class 7, shall be marked and labelled as if they were full.

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / VW = Water)

Attachment 14

TRAINING – C4. OBLIGATIONS OF THE CARRIER

Training - C.4. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 4.1	See USAFEI 23-104 for Definition and Duties	S/E	USAFEI 23-104, Para 8.7	
<input type="checkbox"/> 4.2	Is the railroad agency correctly notified?	E	ADR, 1.8.5.1; 1.7.6.1 letter b	Info only - Railway company (carrier) is required to inform EBA
<input type="checkbox"/> 4.3	Are instructions in writing available for movement of DG?	E	GGVSEB, § 36 IAW § 19 (3) 4	Info only - Railway company (carrier) is required to provide AIS to locomotive driver
<input type="checkbox"/> 4.4	Information to railroad personnel If safety is jeopardizing, do you stop the movement as soon as possible?	E	RID, 1.3.2.2	Info only - Shipper briefs the carrier and/or loader on the contents of DG (Info IAW 5.4.1.1.1 (a)-(d), RID) - carrier must train personnel according to 1.3.2.2, RID
<input type="checkbox"/> 4.5		E	GGVSEB, § 4 (3) 2	Info only - Railway company (carrier) requirement
<input type="checkbox"/> 4.6	Are movement documents and Instructions in Writing carried aboard the vehicle or train?	S/E	ADR/RID, 8.1.2.1 & 8.1.2.2 & 5.4.3	Carrier must ensure all transport documents are handed to the driver prior to the journey. ADR: Instructions in Writing shall be provided (by the carrier) to the vehicle crew prior to the journey, in languages that each driver can read and understand / RID: Info only - Railway company (carrier) requirement
<input type="checkbox"/> 4.7	Does each crew member carry an ID?	E	RID, 1.10.1.4	i.e. Miesau Depot authorities (supporting AF rail missions) must ensure train crew is in compliance with security requirements
<input type="checkbox"/> 4.8	Is the required routing permit carried on the transport unit?	S	GGVSEB, § 35 (3) ADR, 7.4.1, 4.3.2.1.7, 4.3.2.3.1, 6.8.2.1, 6.8.2.2, 6.8.2.5, 6.8.3.1, 6.8.2.2, 6.8.3.5, 6.10.2, 6.10.3, 9.1.3.1, 6.8.2.4.5, 6.8.3.4.16, 6.8.2.4.4 and 6.8.3.4.14	Official routing must be carried along and, upon request, shown to competent authorities
<input type="checkbox"/> 4.9	Are tank vehicle regulations complied with?	S		Provisions concerning the carriage in Tanks (Chap 7.4), Tank record maintenance (4.3.2.1.7); Thickness of the walls or the shells (4.3.2.3.1); etc.

Training - C.4. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEL 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 4.10	Are the requirements concerning the supervision of vehicles complied with?	S	ADR, 8.4 + GGVSEB, Atch 2, Nr. 3.3	In addition to Chap 8.4, ADR: If orange colored plates are required, vehicles and/or containers must be supervised IAW Section 8.4.1, ADR. This also applies to trailers that have been disconnected from the tractor. Markings must not be removed from the trailer during parking.
<input type="checkbox"/> 4.11	Do drivers understand the Instructions in Writing?	S	ADR, 5.4.3.2	Before starting the journey instructions in writing shall be provided by the carrier to the vehicle crew in languages that each member can read and understand. The carrier must ensure that each member of the crew understands and is capable of carrying out the instructions properly.
<input type="checkbox"/> 4.12	Are the movement regulations for DG/HW in bulk and tank complied with?	S	ADR, Chapters 3.3 + 7.3, Section 7.4.1	Carriage of bulk and containers must comply with the provisions of Chapters 3.3 and 7.3; Carriage of tanks must comply with Section 7.4.1, ADR
<input type="checkbox"/> 4.13	Are the limitations for explosives, organic peroxides and self reactive substances complied with?	S	ADR, 7.5.5.2.1 & 7.5.5.3	Maximum permissible net mass in kg of explosives (Class 1) and maximum quantity of peroxides of Class 5.2 and self-reactive substances of Class 4.1 of Types B, C, D, E or F per transport unit
<input type="checkbox"/> 4.14	Does the driver carry movement documents, special equipment, test, and registration certificates or exemptions and waivers?	S	ADR, 8.1.2.1, letter a, 8.1.2.2, letter a and c; ADR, 1.5.1 and GGVSEB § 5; ADR, 8.1.5	Carrier must ensure driver is in possession of required documents and waivers. Carrier will also ensure transport unit is furnished with equipment outlined in 8.1.5, ADR
<input type="checkbox"/> 4.15	Are the drivers properly trained?	S	ADR, 8.2.2.8	Certificate of driver's training ' (Note: Drivers carrying loads not exceeding the exemptions limits prescribed in 1.1.3.6, ADR, must be trained IAW 8.2.3, ADR)

Training - C.4. Obligations of the Carrier

*	No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	4.16	Conditions are obeyed for not releasing a portable tanks, 4.2.3.8f	S	ADR, 4.2.3.8	Portable tanks shall not be offered for carriage unless the duration of carriage, after taking into consideration any delays which might be encountered, does not exceed the actual holding time. (Def.: Holding time = means the time that will elapse from the establishment of the initial filling condition until the pressure has risen due to heat influx to the lowest set pressure of the pressure limiting device(s); Ref. 6.7.4.1, ADR
<input type="checkbox"/>	4.17	Are the fire extinguishers serviceable and is the inspection still valid?	S	ADR, 8.1.4	Number and size/volume of fire-fighter equipment is pending on types and volume of DG/HW and the size of the transport unit used for carriage of DG/HW.
<input type="checkbox"/>	4.18	Are vehicles equipped with proper Hazards Placards and Warning Signs?	S	ADR, 5.3.1, 5.3.2, 3.4.12, 5.3.3 and 5.3.6	Carrier must ensure transport units are equipped with Placards (5.3.1), orange colored plates (5.3.2) and markings according to 3.4.12, 5.3.3 and 5.3.6
<input type="checkbox"/>	4.19	Do tank vehicles and portable tanks comply with ADR design, marking and identification regulations?	S	ADR, Para 4.3.2.3.1 and Sections 6.8.2.1, 6.8.2.2, 6.8.2.5, 6.8.3.1, 6.8.3.2, 6.8.3.5, 6.10.2, 6.10.3, 6.8.2.4.5 and 6.8.3.4.16	Carrier must ensure fixed & portable containers comply with the requirements for the construction, equipment, type approval, inspections, tests and marking
<input type="checkbox"/>	4.20	Are out of sequence inspections conducted when the tank was impaired as a result of repair, alteration, or accident?	S	ADR, 6.8.2.4.4 + 6.8.3.4.14	When the safety of the tank or of its equipment may have been impaired as a result of repairs, alterations or accident, an exceptional check shall be carried out.

Training - C.4. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>				Proper blocking and bracing techniques must be used before transporting cargo. Failure to use proper techniques may result in death, injury, and enormous property loss. Comply with AE 55-48 and military T.O.s (GOV) and VDI 2700 series (commercial transport units) and CTU (Cargo Transport Unit - see 7.5.2, IMDG for multimodal transport)
4. 21	Is the proper load securing equipment provided to the driver?	S	ADR, 7.5.7	
<input type="checkbox"/>				Every transport unit carrying dangerous goods shall be furnished with miscellaneous equipment and equipment for personal protection based on label numbers identified on the transport document (or written instructions).
4. 22	Is the miscellaneous equipment described in ADR available and serviceable?	S	ADR, 8.1.5 + 5.4 (Instructions in Writing)	Requirements concerning the construction and approval of vehicles ('FL', 'AT', 'EX/II', 'EX/III', and 'OX' vehicles as defined in 9.1.1.2.)
<input type="checkbox"/>			ADR, Part 9	Smoking, the use of fire or naked flame may be prohibited on vehicles carrying DG and in their vicinity and during the loading and unloading of these substances and articles - as directed in Parts 7 and 8, ADR and according to special provisions assigned to DG
4. 23	Is the technical design for vehicles described in ADR complied with?	S		DG assigned to Special Provision 314 shall be protected from direct sunlight and all sources of heat and be placed in adequately ventilated areas.
<input type="checkbox"/>			ADR, 7.5.9, 8.3.5, 7.5.11 (CV 2 (2)), 8.5 (S1 (3))	
4. 24	Is the prohibition on smoking, flames and fire complied with?	S	ADR, 3.3.1 SP 314 (b)	
<input type="checkbox"/>	When required and during parking, are the vehicles shaded from sunlight and all sources of heat, and are they placed in adequately vented areas?	S		
4. 25				

Training - C.14. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	4.26 When required, are open or vented vehicles/containers used?	S	ADR, 7.5.11 IAW CV36	DG assigned to Special Provision (for carriage) CV36 shall preferably be loaded in open or ventilated vehicles or open or ventilated containers and marked accordingly. If required contact Installation DGA for more information!
<input type="checkbox"/>	4.27 When closed vehicles/containers are used for items requiring open or vented vehicles/containers, is the closed vehicle/container marked "warning, no ventilation, open with caution?"	S	ADR/RID, 7.5.11 IAW CV36 and CW36	DG assigned to Special Provision (for carriage) CV36 or CW 36 (RID) shall preferably be loaded in open or ventilated vehicles or open or ventilated containers and marked accordingly. Contact Installation DGA for more information!
<input type="checkbox"/>	4.28 Is the routing request processed? (routing is required for all military owned DG/HW)	S	GGVSEB, § 35 & USAFEI 24-201, Chap 3	Carrier may only transport DG IAW § 35 if required routing permission has been granted by competent authority - see also Checklist item 9.4 [Shipper/Consignor/Carrier/Consignee will.]
<input type="checkbox"/>	4.29 Is the movement conducted on an approved routing (transportation movement release)?	S	GGVSEB, § 35 & USAFEI 24-201, Chap 3	see Checklist item 9.4 [Shipper/Consignor/Carrier/Consignee will.]
<input type="checkbox"/>	4.30 Are the routing instructions provided to the driver?	S	GGVSEB, § 35 & USAFEI 24-201, Chap 3	see Checklist item 9.4 [Shipper/Consignor/Carrier/Consignee will.]
<input type="checkbox"/>	4.31 For items requiring Host Nation routing permits, is the document properly annotated when the movement is to the next air port or water port?	S	GGVSEB, § 35 (6)	DG carried IAW § 35 to the next available port or railroad, transport document must be annotated with the statement "Beauforderung nach § 35 Absatz 4 Nummer 2 GGVSEB"
<input type="checkbox"/>	4.32 Are the DG/HW authorized for movement?	S/EW/A	ADR/RID, 1.4.2.2.1 (a)	Carrier may also rely on information provided by the participants - Ref. ADR, 1.4.2.2.2 and GGVSEB § 19(5); see also GGVSEB § 18 (1) 3, § 23(1)1 and § 21(1)1 for shipper, loader and filler

Training - C.4. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	4.33 Is the date of next inspection still valid? (truck/railcar/tank/IBC, certain packages)	S/E	ADR/RID, 1.4.2.2.1 (d)	Carrier shall ascertain that the date of the next test for tank-vehicles, battery-vehicles, demountable tanks, portable tanks, tank-containers and MEGCs has not expired; Ref. 1.4.2.2.1 (d)
<input type="checkbox"/>	4.34 Is there a load distribution plan considering total weight permit, axle weight, and structure of chassis?	S/E	§ 34 StVZO	verify that the vehicles are not overloaded (Ref. 1.4.2.2.1, ADR/RID)
<input type="checkbox"/>	4.35 Are there spills, cracks, equipment deficiencies?	S/E	ADR/RID, 1.4.2.2.1 (c)	Carrier must ascertain visually that the vehicles and loads have no obvious defects, leakages or cracks, missing equipment, etc.;
<input type="checkbox"/>	4.36 Are the rail cars properly placarded?	E	RID, 5.3.1.2, 5.3.1.3, 5.3.1.5, 5.3.4 and 5.3.6	Loader (!) must ensure that containers and railcars are placarded according to 5.3.1.2, 5.3.1.3 and 5.3.1.5 and marked IAW 5.3.4 and 5.3.6, RID
<input type="checkbox"/>	4.37 Do you compose and provide accident reports to the IDGA and CDGA?	S/E	ADR/RID, 1.8.5	USAFEI 23-104, Para 8.9; ensure in case of an incident/accident, the UDGA compiles the data required in accident/incident report formats listed in the various mode regulations and as directed by the IDGA for the deficiency analysis
<input type="checkbox"/>	4.38 Is the tank and vehicle registration still valid?	S/E	ADR/RID, 9.1.3 & 6.8.2.4.5	Conformity of EX/II, EX/III, FL, OX and AT vehicles and MEMUs with the requirements of Part 9, ADR is subject to a certificate of approval issued by competent authority. The tests, inspections and checks in accordance with 6.8.2.4.1 - 6.8.2.4.4 shall be carried out by the expert approved by the competent authority.

Training - C.4. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	Do you stop movement if an item is found non-compliant to regulations?	S/E	ADR/RID, 1.4.2.2.3	If the carrier observes an infringement of the requirements of ADR, in accordance with 1.4.2.2.1, he shall not forward the consignment until the matter has been rectified.
<input type="checkbox"/>				As far as transport operations to or from the nearest railway station or port (subsection 4 paragraph 2) are concerned, the consignee shall state the name of the railway station or port in the transport document and add the note "carriage in accordance with section 35 subsection 4 paragraph 2, Regulation on the National and International Carriage of Dangerous Goods by Road and Rail (GGVSE)." As regards transport activities in conjunction with piggyback transport (subsection 4 paragraph 2 letter b), participation in piggyback transport shall be substantiated for road transport to the station by a reservation confirmation issued by the Railway Administration or the agencies authorized by it and, for dispatch by road, by the transport document for rail transport.
4.40	In case vehicles loaded with D/G move on rail, is the reservation confirmation provided to the driver?	S/E	GGVSEB, § 35 (6)	
<input type="checkbox"/>	Are procedures in place to notify the shipper/consignor in case radiation limits are exceeded during movement?	S/E	ADR/RID, 1.7.6.1 (a)(i)	In the event of a non-compliant with any limit in ADR applicable to radiation level follow instructions outlined in section 1.7.6.1, ADR and respond to local emergency response plans, if available.
<input type="checkbox"/>	Are procedures in place to analyze the cause of exceeding radiation limits?	S/E	ADR/RID, 1.7.6.1	Class 7 - Radioactive Material
<input type="checkbox"/>	Are procedures in place to notify competent authorities on incidents where radiation limits are exceeded?	S/E		Class 7 - Radioactive Material

Training - C.4. Obligations of the Carrier

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	Are personnel in charge of movement of high consequence DG/HW properly trained in security and are security plans implemented?	S/E	ADR/RID, 1.10	In-depth security training is required when unit is required to establish a security plan (see Table 1.10.5: List of high consequence goods)
<input type="checkbox"/>	4.45 Are the DG authorized for movement?	W		
<input type="checkbox"/>	4.46 Is a proper stow plan available for loading DG aboard ships?	W		
<input type="checkbox"/>	4.48 Do you compose and provide accident reports to the IDGA and CDGA?	S/E/W/A	USAFE 23-104, Atch 2	
<input type="checkbox"/>	4.49 Is the tank and vehicle registration still valid?	S	ADR, 8.1.2.1; 8.1.2.2; 6.8.2.4.5 & 6.9.5.3	Carrier responsibility (see also checklist item 7.6 for Filler duties)

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 15

TRAINING – C5. OBLIGATIONS OF THE LOADER

Training - C5. Obligations of the Loader

* No.	Obligation	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 5.1	Loader	See USAFEI 23-104 for Definition and Duties	S/E	USAFEI 23-104, Para 8.10	
<input type="checkbox"/> 5.2	Loader	Are only authorized DG/HW released to the carrier?	S/E	ADR/RID, 1.4.3.1.1 a)	Hand dangerous goods over to the carrier only if they are authorized for carriage in accordance with ADR/RID;
<input type="checkbox"/>					When handing over for carriage packed dangerous goods or uncleaned empty packages, check whether the packaging is damaged or incomplete; he shall not hand over a package the packaging of which is damaged, especially if it is not leakproof and there are leakages or the possibility of leakages of the dangerous substance until the damage has been repaired; the same applies to the carriage IAW Chap 3.4 and 3.5, ADR
<input type="checkbox"/> 5.3	Loader	Are the DG packages only released when undamaged?	S/E	ADR/RID, 1.4.3.1.1 b) (IAW 7.5.1.2)	Ensure that a package will only be loaded after partial discharge of the dangerous substance if the packaging meets the requirements laid down in subsection 4.1.1.1, ADR
<input type="checkbox"/> 5.4	Loader	Are partially discharged packages moved in compliance with DG/HM regulations?	S/E	ADR/RID, 4.1.1.1	

Training - C.5. Obligations of the Loader

* No.	Obligation	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>					Empty packagings, including IBCs and large packagings, that have contained a dangerous substance are subject to the same requirements as those for a filled packaging, unless adequate measures have been taken to nullify any hazard
5.5	Loader	Are empty and uncleaned packages moved in compliance with DG regulations?	S/E	ADR/RID, 4.1.1.11 (IAW 4.1.1.1)	Ensure that the requirements concerning uncleaned empty packagings in accordance with ADR, subsection 4.1.1.11 in conjunction with subsection 4.1.1.1 sentences 3 to 5 are met
<input type="checkbox"/>					
5.6	Loader	Are empty and uncleaned packages and tanks properly marked?	S/E	ADR/RID, 4.1.1.11 (incl. 4.3.2.4)	
<input type="checkbox"/>				ADR, 5.1.3.1 (IAW 5.2), 5.3.1.2 (IAW 5.3.6) + RID, 5.3.1.2, 5.3.1.3, 5.3.1.5, 5.3.4, 5.3.6 + 5.3.2.1.1, 5.3.2.1.2	Ensure compliance with placarding, label and marking requirements according to 5.1.3.1 and 5.2, ADR and ensures Container loaded with packages are placarded (5.3.1.2) and marked according to 5.3.6, ADR (environmentally hazardous substances mark)
5.7	Loader	Are placards and labels applied properly?	S/E		Containers etc. must be in compliance with CSC (Convention for Safe Containers)
<input type="checkbox"/>		Are containers serviceable and authorized for movement?	S/E	ADR/RID, 7.1.3 + 7.1.4	Fumigation Warning Sign with entries drafted in appropriated language
5.8	Loader				
<input type="checkbox"/>		Are warning signs displayed on fumigated containers or tanks?	S/E	ADR/RID, 5.5.2.2	
5.9	Loader				

Training - C.5. Obligations of the Loader

* No.	Obligation	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	5.10 Loader	Is the driver briefed on the DG/HW transported?	S	ADR/RID, 5.4.1.1.1 letter a. to d.	Loader shall brief the driver on the contents of DG (Information IAW 5.4.1.1.1) and routing requirements IAW § 35 (1), GGVSEB
<input type="checkbox"/>	5.11 Loader	Have Instructions in Writing provided to the Driver (by the Carrier)?	S		Carrier is responsible - Loader will QA
<input type="checkbox"/>	5.12 Loader	Is the vehicle compliant to ADR regulations?	S		Carrier and vehicle owner are responsible - Loader will QA
<input type="checkbox"/>				ADR (RID, as applicable), 3.4.8 letter c, 7.5.1.1, 7.5.1.2, 7.5.1.3 Sentence No. 2, 7.5.1.4, 7.5.1.5 and 7.5.2, 7.5.5, 7.5.7, 7.5.8 and 7.5.11	Loader and Driver must comply with the requirements relating orientation of packages and overpacks IAW Section 3.4.8 letter c and the provisions concerning loading, unloading and handling (incl. load securing) IAW Sub-sections 7.5.1.1, 7.5.1.2, 7.5.1.3 sentence 2, and 7.5.1.4, 7.5.1.5 and Sections 7.5.2, 7.5.5, 7.5.7, 7.5.8 and 7.5.11 ADR (RID as applicable).
5.13	Loader	Are the loading and handling regulations observed?	S/E		
<input type="checkbox"/>				ADR/RID, 5.4.1.1.1 letter a. to d.	Shipper shall brief the carrier and/or loader on the contents of DG (Information IAW 5.4.1.1.1) and routing requirements IAW § 35 (1), GGVSEB - Loader will ensure packaging, marking, labeling and condition of Packages comply with ADR
5.14	Loader	Is the loader properly informed on the DG to enable conformance to DG regulation checks on packaging, marking, labeling, and condition (damage) of the DG?	S/E/M/A		

Training - C.5. Obligations of the Loader

* No.	Obligation	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>					Packer shall comply with the provisions governing the use of... packages, including IBCs and large packagings in accordance with sections 4.1.1 to 4.1.9 and paragraphs 6.2.6.3.2.2.1 and 6.2.6.3.2.2.3, ADR/RID and special provisions outlined in chap 3.3, ADR/RID - Loader will QA
5.15	Loader	Are the packages approved for the movement mode?	S/E/W/A		
<input type="checkbox"/>				ADR, 7.5.9, 8.3.5, 7.5.11 (CV 2 (2)), 8.5 (S1 (3))	Smoking, the use of fire or naked flame may be prohibited on vehicles carrying DG and in their vicinity and during the loading and unloading of these substances and articles - as directed in Parts 7 and 8, ADR and according to special provisions assigned to DG
5.16	Loader	Is the prohibition on smoking, fire and flames obeyed?	S/E/W/A		DG assigned to Special Provision 314 shall be protected from direct sunlight and all sources of heat and be placed in adequately ventilated areas.
<input type="checkbox"/>		During loading, are the regulations regarding shading from sunlight and all sources of heat, and adequately vented areas complied with?	S	ADR, 3.3.1 SP 314 (b)	DG assigned to Special Provision (for carriage) CV36 or CW 36 (RID) shall preferably be loaded in open or ventilated vehicles or open or ventilated containers and marked accordingly. Contact Installation DGA for more information!
5.17	Loader				
<input type="checkbox"/>		If applicable, are the regulations regarding venting observed?	S/E	ADR/RID, 7.5.11 (AW CV36 and CW36	
5.18	Loader				

Training - C.5. Obligations of the Loader

* No.	Obligation	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 5.19	Loader	Are the precautions regarding mixing DG, food or animal feeds observed?	S/E	ADR/RID, 7.5.4	Precautions with respect to foodstuff, other articles of consumption and animal feed
<input type="checkbox"/>					ADR, 1.10 - for the purposes of this Chapter, security means measures or precautions to be taken to minimize theft or misuse of dangerous goods that may endanger persons, property or the environment. If threshold limits specified in Table 1.10.5, ADR are exceeded, a security plan must be developed and personnel be trained according to the contents of the plan.
5.20	Loader	Is the loading personnel properly trained on security measures when handling high consequence dangerous goods and is a security plan implemented?	S/E	ADR/RID, 1.10	
<input type="checkbox"/>					Loader shall brief the driver on routing requirements IAW § 35 (1), GGVSEB and TMR according to Chap 3, EMCS
<input type="checkbox"/> 5.21	Loader	Is the routing checked and available (Transportation Movement Release (TMR) number)?	S	USAFEI 24-201, Chap 3 (EMCS)	
<input type="checkbox"/> 5.22	Loader	Are marking requirements IAW sections 3.4.10 - 3.4.12 ADR/RID observed?	S/E	ADR/RID, Chap 3.4	Marking of Dangerous Goods packed in limited quantities
<input type="checkbox"/> 5.23	Loader	Are authorized numbers of packages according to section 3.5.5, ADR/RID not exceeded?	S/E	ADR/RID, Chap 3.5	Dangerous Goods packed in excepted quantities
<input type="checkbox"/>					Loaders must comply with the provisions concerning the carriage in Packages (i.e. special provisions outlined in column 16 of table A, Section 3.2, ADR)
5.24	Loader	Are the provisions concerning carriage in packages observed?	S/E	ADR/RID Chap 7.2	

Training - C.5. Obligations of the Loader

* No.	Obligation	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 5.25 Loader		Are transport assets properly cleaned prior to returning them to the carrier?	S	ADR, 75.8	If, when a vehicle or container which has contained packaged dangerous goods is unloaded, some of the contents are found to have escaped, the vehicle or container shall be cleaned as soon as possible and in any case before reloading.

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 16

TRAINING – C6. OBLIGATIONS OF THE PACKER

Training - C.6. Obligations of the Packer

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 6.1	See USAFEI 23-104 for Definition and Duties	S/E	USAFEI 23-104, Para 8.13	
<input type="checkbox"/>				Conform with packaging provisions for dangerous goods packed in limited quantities described in 3.4.1, 3.4.3 to 3.4.6 and 3.4.8, letter a and b, ADR, RID, ADN, ADN and Chapters 3.4 and 2.8 of the IMDG and IATA
6.2	139 Are the regulations regarding limited quantities obeyed?	S/EW/A	ADR/RID/MDG, Chap 3.4 & IATA, Chap 2.8	
<input type="checkbox"/>			ADR/RID, 4.1.1 to 4.1.9 and 6.2.6.3.2.2.1 and 6.2.6.3.2.2.3 and special provisions outlined in chap 3.3	Comply with the provisions governing the use of and leakproofness test after filling of pressure receptacles, packages, including IBCs and large packagings
6.3	140 Are the regulations concerning sealing and closures of DG/HM packages complied with?	S/EW/A	ADR/RID, 4.1.10 and 1.1.4.2; IMDG, 7.2.1.16; IATA, 5.0.2.11	
<input type="checkbox"/>				Comply with the provisions governing mixed packing and if carried in transport chain including maritime or air carriage, comply with ADR/RID 1.1.4.2.1
6.4	141 Are the mixed packaging rules observed?	S/EW/A	ADR/RID, Sections 5.1.2, 3.4.7 and paragraph 3.5.4.3	Comply with the provisions governing marking and labeling of overpacks (including limited and excepted quantities)
<input type="checkbox"/>				
6.5	142 Are overpacks properly labeled and marked?	S/EW/A	ADR/RID/MDG, Chapters 3.4 & 3.5	Comply with packaging and marking provisions laid down in 3.4.1 to 3.4.15 and 3.5.1 to 3.5.6, ADR/RID
<input type="checkbox"/>				
6.6	143 Are the regulations regarding limited and excepted quantities obeyed?	S/E	ADR, paragraph 1.1.4.2.1 letter a	Comply with the provisions governing labeling and marking if maritime or air carriage is included
<input type="checkbox"/>				
6.7	144 Are marking and labeling requirements concerning carriage in a transport chain including maritime or air carriage complied with?	S/EW/A		

Training - C.6. Obligations of the Packer

* No.		Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>				ADR, paragraph 3.5.4.3 and sections 5.1.4, 5.2.1 and 5.2.2 and special provisions described in chap 3.3, ADR/RID	Comply with the provisions governing marking and labeling of packagings
6.8	145	Are packages properly marked and labeled?	S/E		
<input type="checkbox"/>	146	Are packages consolidated in overpacks properly secured to prevent any movement during carriage?	S/E/W/A	ADR, 7.5.7 IAW 5.1.2.2	Secure packagings consolidated in Overpacks

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 17

TRAINING – C7. OBLIGATIONS OF THE FILLER

Training - C.7. Obligations of the Filler

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 7.1	See USAFEI 23-104 for Definition and Duties	S/E	USAFEI 23-104, Para 8.11	May hand dangerous goods over to the carrier only if they are authorized for carriage in accordance with § 3, GGVSEB; Dangerous goods may only be carried if they are not excluded from carriage in accordance with Part 2, Chapter 3.2, Table A and Chapter 3.3 or Annex 2 nos. 1.1 and 1.2 and are qualified for transport in accordance with Part 2, Chapter 3.2, Table A
<input type="checkbox"/> 7.2	Are only authorized goods moved?	S/E	GGVSEB, § 3	Ascertain prior to the filling of tanks that both they and their equipment are technically in a satisfactory condition; Only fill tanks with the dangerous goods authorized for carriage in those tanks (i.e. Tank Codes, 4.3, ADR)
<input type="checkbox"/> 7.3	Is the technical condition of the tank checked prior to filling?	S/E	ADR/RID, 1.4.3.3a)	Tanks, battery-vehicles and MEGCs shall be closed so that the contents cannot spill out uncontrolled. The openings of bottom-discharge tanks shall be closed by means of screw threaded plugs, blank flanges or other equally effective devices. The leakproofness of the closures of the tanks, and of the battery-vehicles and MEGCs shall be checked by the filler after the tank is filled. This applies in particular to the upper part of the dip tube (Ref. 4.3.2.3.3).
<input type="checkbox"/> 7.4	Are tanks only filled with authorized and compatible goods?	S/E	ADR/RID, 1.4.3.3b)	Ensure that the validity of a certificate of approval (9.1.3.4) and inspection dates for tank-vehicles, battery-vehicles, demountable tanks, portable tanks, tank-containers and MEGCs has not expired (i.e. 6.8.2.4)
<input type="checkbox"/> 7.5	After filling is it ensured tank closures are hermetically sealed to prevent leakage?	S/E	ADR/RID, 4.3.2.3.3 + 4.2.4.5.5	
<input type="checkbox"/> 7.6	Are inspection dates still valid?	S/E	ADR/RID, 1.4.3.3b) & 9.1.3.4	

Training - C.7. Obligations of the Filler

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>				Ensure that the maximum permissible degree of filling or the maximum permissible mass of contents per liter of capacity or the maximum permissible gross mass of the substance being filled into tank vehicles, demountable tanks, tank wagons, wagons with detachable tanks, battery vehicles, battery wagons, tank containers, portable tanks and MEGCs in accordance with paragraphs 4.2.1.9.1.1, 4.2.1.13.13, 4.2.1.15.2, 4.2.2.7.2, 4.2.2.7.3, 4.2.3.6.2, 4.2.3.6.3, 4.2.3.6.4, 4.2.4.5.2, 4.2.4.5.3, subsection 4.2.5.3, 4.3.2.2, paragraphs 4.3.3.2.3, 4.3.3.2.5, and/or special provisions of section 4.3.5 is observed
7.7	Is the tank filling degree, the net and gross mass of the tank complied with?	S/E	ADR/RID, Chapter 4	
<input type="checkbox"/>	Are the personnel involved in High Consequence DG/HW trained in security measurements and are security plans trained in security measurements and are security plans implemented?			ADR, 1.10 - for the purposes of this Chapter, security means measures or precautions to be taken to minimize theft or misuse of dangerous goods that may endanger persons, property or the environment. If threshold limits specified in Table 1.10.5, ADR are exceeded, a security plan must be developed and personnel be trained according to the contents of the plan.
7.8		S/E	ADR/RID, 1.10	IAW Sections 4.2.1.9.6 b) or 4.3.2.3.5, ADR, Filler must ensure no dangerous residue of the filling substance shall adhere to the outside of the tank during carriage.
<input type="checkbox"/>	Is dangerous residue of the goods filled into the tank removed prior to departure?	S/E	ADR/RID, Chapter 4	IAW Sections 4.2.1.6 or 4.3.2.3.6, ADR/RID
<input type="checkbox"/>	Is the compatibility ensured if different items are filled into adjoining compartments of tanks? (tanks with multiple compartments)	S/E	ADR/RID, Chapter 4	Substances which may react dangerously with each other shall not be carried in adjoining compartments of shell/tanks.
<input type="checkbox"/>	Are the regulations for emptying, purging and venting complied with?	S/E	ADR/RID, 4.3.3.3.1	When tanks, battery-vehicles or MEGCs are approved for different gases, the change of use shall include emptying, purging and evacuation operations to the extent necessary for safe operation.
7.11		S/E		

Training - C.7. Obligations of the Filler

*	No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
	7.12	Are regulations concerning electrostatic discharge obeyed?	S/E	ADR/RID, Para 6.8.2.1.27; ADR, Section 7.5.10 and Special Provision S2 (3)	In the case of flammable gases, or liquids with a flash-point of 60 °C or below, or UN No. 1361, carbon or carbon black, packing group II, a good electrical connection from the chassis of the vehicle, the portable tank or the tank-container to earth shall be established before tanks are filled or emptied. In addition, the rate of filling shall be limited (Ref. 7.5.10, ADR). In the case of vehicles of type FL (see Part 9), a good electrical connection from the vehicle chassis to earth shall be established before tanks are filled or emptied. In addition, the rate of filling shall be limited (Ref. ADR, S2 (3)). See Ref. Para 6.8.2.1.27 for additional requirements.
□	7.13	Do tanks used comply with ADR regulations?	S/E	ADR/RID, 4.3.2.1.1 & 4.3.2.1.5	A substance subject to ADR may be carried in fixed tanks (tank-vehicles), demountable tanks, battery-vehicles, tank-containers, tank swap bodies and MEGCs only when provision is made for a tank code according to 4.3.3.1.1 and 4.3.4.1.1 in Column (12) of Table A in Chapter 3.2 (Ref. 4.3.2.1.1). Tanks, battery-vehicles and MEGCs shall not be loaded with any dangerous substances other than those for the carriage of which they have been approved according to 6.8.2.3.1 and which, in contact with the materials of the shell, gaskets, equipment and protective linings, are not liable to react dangerously with them (see "dangerous reaction" in 1.2.1), to form dangerous products or appreciably to weaken these materials (Ref. 4.3.2.1.5)
□	7.14	Are the filling regulations for bulk items complied with?	S/E	ADR/RID, 1.4.3.3(j)	When filling vehicles or containers with dangerous goods in bulk, ascertain that the relevant provisions of Chapter 7.3 and Special Provisions according to Chap 3.3 are complied with

Training - C.7. Obligations of the Filler

*	No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
					Brief the driver on the contents of DG (information IAW 5.4.1.1.1 a) - d), ADR) and, if applicable, on routing permits IAW § 35, GGVSEB
<input type="checkbox"/>	7.15	Is the driver briefed on the DG/HW?	S	ADR, 5.4.1.1.1. a) - d) & §35	Comply with additional military directives, as required
<input type="checkbox"/>	7.16	Are the filling regulations for tanks complied with?	S/E		The Filler shall, in preparing the dangerous goods for carriage, ensure that applicable orange plates and placards or labels are affixed on portable tanks, on the tank-containers, MEGC and on containers for carriage in bulk in accordance with the requirements (Ref. 5.3.1.2; 5.3.2; 5.3.3 and 5.3.6, ADR)
<input type="checkbox"/>	7.17	Are the hazard placards, markings and warning plates displayed?	S	ADR, 1.4.3.3h)	QA only - According to ADR and GGVSEB, the Carrier is responsible issuing 'instructions in writing' to the vehicle crew.
<input type="checkbox"/>	7.18	Are the Instructions in Writing provided to the driver?	S	ADR, 5.4.3	The vehicle and its driver, as well as the large container(s), bulk-container(s), tank container(s) or portable tank(s) if any, shall comply with the regulatory provisions (especially those concerning safety, security, cleanliness and satisfactory operation of the equipment used in loading and unloading) upon arrival at the loading and unloading sites, which include container terminals (Ref. 7.5.1.1). The loading shall not be carried out if an examination of the documents, or a visual inspection of the vehicle or of the large container(s), bulk-container(s), tank container(s) or portable tank(s) if any, as well as of their equipment used in loading and unloading, shows that the vehicle, the driver, a large container, a bulk-container, a tank-container, a portable tank or their equipment do not comply with the regulatory provisions (Ref. 7.5.1.2)
<input type="checkbox"/>	7.19	Are the loading regulations complied with?	S	ADR, 7.5.1.1 and 7.5.1.2	Smoking shall be prohibited during handling operations in the vicinity of vehicles or containers and inside the vehicles or containers.
<input type="checkbox"/>	7.20	Is the prohibition on smoking complied with?	S	ADR, 7.5.9, 8.3.5 & 8.5 (St)	

Training - C.7. Obligations of the Filler

*	No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>	7.21	Is the prohibition on combustible heaters complied with?	S	ADR, Chapter 8.5, Special Provision S2 (2)	Operation of combustion heaters during loading or unloading. The operation of combustion heaters of vehicles of type FL (see Part 9) is forbidden during loading and unloading and at loading sites.
<input type="checkbox"/>	7.22	If the driver is the filler, is the driver properly trained?	S	§ 23 (2) 7, GGVSEB	Filler must train the vehicle crew on how to operate the filling station if drivers are supposed to fill up tank or tank-vehicle themselves
<input type="checkbox"/>					Dangerous goods may not be carried in tanks unless a code is indicated in Columns (10) or (12) of Table A of Chapter 3.2 or unless a competent authority approval is granted as detailed in 6.7.1.3. The carriage shall be in accordance with the provisions of Chapters 4.2 or 4.3, and the vehicles, whether they be tank-vehicles (with a fixed or demountable tank), battery-vehicles or vehicles carrying tank-containers or portable tanks, shall satisfy the relevant requirements of Chapters 9.1, 9.2 and 9.7.2 concerning the vehicle to be used, as indicated in Column (14) of Table A of Chapter 3.2.
<input type="checkbox"/>	7.23	Do the vehicle carrying tanks comply with ADR regulations?	S	ADR, 7.4.1	The Filler shall, during the filling of the tank, observe the maximum permissible degree of filling or the maximum permissible mass of contents per liter of capacity for the substance being filled (Ref. 1.4.3.3. e), ADR). If not in compliance with ADR, transport may not be released (§§ 3 + 4, GGVSEB)
<input type="checkbox"/>	7.24	Is the movement stopped when the allowed filling degree is exceeded?	S/E	ADR, 1.4.3.3e)	The Filler shall, in preparing the dangerous goods for carriage, ensure that the orange plates and placards or labels prescribed are affixed on the tanks, on the railcars and on the large and small containers for carriage in bulk in accordance with the requirements (Ref. 5.3.1.2 and 5.3.1.4; 5.3.4.1; 5.3.2.1.1 and 5.3.2.1.2; 5.3.3.5.3.6, RID)
<input type="checkbox"/>	7.25	Are the hazard placards, railcar warning labels, orange warning placards, and other required markings applied?	E	RID, Chapter 5 and Section 1.4.3.3h)	

Training - C.7. Obligations of the Filler

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>				When a hazard identification number is indicated in Column (20) of table A of Chapter 3.2, tank-vehicles, battery vehicles or transport units having one or more tanks carrying dangerous goods shall in addition display on the sides of each tank, each tank compartment or each element of battery vehicles, clearly visible and parallel to the longitudinal axis of the vehicle, orange-colored plates identical with those prescribed in 5.3.2.1.1. These orange colored plates shall bear the hazard identification number and the UN number prescribed respectively in Columns (20) and (1) of table A of Chapter 3.2 for each of the substances carried in the tank, in a compartment of the tank or in an element of a battery vehicle. Drivers must ensure placards bearing proper information are displayed on tank-vehicles
7.26	Is the driver aware of hazardous identification numbers?	S	ADR, 5.3.2	
<input type="checkbox"/>	Are portable tanks and UN-MEGC properly sealed to avoid spilling?	S/E	ADR, Chapter 4	Filler shall not offer portable tanks and UN-MEGC for carriage when leaking or damaged to such an extent that the integrity of the portable tanks or pressure receptacles or its structural or service equipment may be affected (Ref. 4.2.1.9.6 c), 4.2.2.8 b), 4.2.3.8 b) and 4.2.4.6 a))
<input type="checkbox"/>	Is an accident/incidents report provided to the UDGA/IDGA in case of a spill during filling?	S/E	USAFEI 23-104, Atch 2	
<input type="checkbox"/>	Are the proper shipping names and HM descriptions provided?	S/E	USAFEI 23-104, Atch 4 (Table A4.1)	Filler must ensure only properly identified items (e.g. IAW MSDS) is filled into the tanks etc.

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 18

TRAINING – C8. OBLIGATIONS OF THE CONSIGNEE

Training - C.8. Obligations of the Consignee

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 8.1	See USAFEI 23-104 for Definition and Duties	S/E	USAFEI 23-104, Part 2	Vehicles, containers etc. and its drivers shall comply with the regulatory provisions upon arrival at the loading and unloading sites. The unloading shall not be carried out, if the above-mentioned inspections reveal deficiencies that might affect the safety or the security of the unloading
<input type="checkbox"/> 8.2	Are the DG/HM/HW received without delay and is the movement checked for compliance with regulations?	S/E	ADR, 7.5.1.1 and 7.5.1.3	
<input type="checkbox"/> 8.3	Are the consignors/shipper, competent authorities, packer, loader, carrier, unloader and the IDGA/CDGA informed when radiation limits are exceeded?	S/E	ADR, 1.7.6.1	
<input type="checkbox"/> 8.4	Are procedures in place to analyze the cause of radiation exceeding the limits?	S/E	ADR, 1.7.6.1	In the event of a non-compliance with any limit in ADR applicable to radiation level or contamination, the consignor shall be informed of the non-compliance by the consignee if the non-compliance is identified at receipt. The non-compliance of the non-compliance to the consignor and competent authority, respectively, shall be made as soon as practicable and it shall be immediate whenever an emergency exposure situation has developed or is developing. Also comply with local emergency response plans (i.e. KMC32-4013)
<input type="checkbox"/> 8.5	Is the consignors/shipper informed on radiation exceeding the limits?	S/E	ADR/RID, 1.7.6.1	In the event of a non-compliance with any limit in ADR applicable to radiation level follow instructions outlined in section 1.7.6.1, ADR and respond to local emergency response plans, if available.
<input type="checkbox"/> 8.6	Is the driver informed on procedures valid for operations at the place of delivery? (route, gate, ID, behavior, safety rules, etc)	S	USAFEI 24-201	Positive Inbound Clearance IAW USAFE Instructions
<input type="checkbox"/> 8.7	Are off-loading safety regulations complied with?	S/E	ADR, 7.5.9, 8.3.5, 3.3.1, SP 314, 8.5	

Training - C.8. Obligations of the Consignee

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>			ADR, 7.5.9, 8.3.5, 7.5.11 (CV 2(2)), 8.5 (S1 (3))	Smoking, the use of fire or naked flame may be prohibited on vehicles carrying DG and in their vicinity and during the loading and unloading of these substances and articles - as directed in Parts 7 and 8, ADR and according to special provisions assigned to DG
8.8	Are the prohibitions on smoking, fire, and flames obeyed?	S/E		When in-checking, the TO representative will acknowledge the number and condition of containers received, annotate shortages, damages, or other discrepancies on the carrier's freight bills....
<input type="checkbox"/>			AFR 24-203, Para 3.10.5	DG assigned to Special Provision 31.4 shall be protected from direct sunlight and all sources of heat and be placed in adequately ventilated areas.
8.9	Are compatibility and load securing regulations obeyed?	S/E		Provisions concerning the carriage in Packages
<input type="checkbox"/>	Is the regulation regarding shading from sunlight and all sources of heat, and adequately vented areas complied with?	S	ADR, 3.3.1 SP 314 (b)	DG assigned to Special Provision (for carriage) CV36 shall preferably be loaded in open or ventilated vehicles or open or ventilated containers and marked accordingly. Contact Installation DGA for more information!
<input type="checkbox"/>	Are the provisions concerning carriage in packages observed?	S	ADR/RID Chap 7.2	Precautions with respect to foodstuff, other articles of consumption and animal feed
8.10	If material requiring movement in open or vented vehicles is moved in closed vehicles are the regulations regarding warning and identification complied with?	S	ADR, 7.5.11 IAW CV36	Describes Freight Movements Requiring Positive Inbound Clearance (PIC).
<input type="checkbox"/>	Are precautions in place when mixing food stuff and animal feed and DG/HW?	S	ADR, 7.5.4 AE Reg 55-355/USAFEI 24-201, Chap 3-9	ADR, 1.10 - for the purposes of this Chapter, security means measures or precautions to be taken to minimize theft or misuse of dangerous goods that may endanger persons, property or the environment. If threshold limits specified in Table 1.10.5, ADR are exceeded, a security plan must be developed and personnel be trained according to the contents of the plan.
8.11	Was a positive inbound clearance provided in response to the routing request?	S		
<input type="checkbox"/>	Are security plans implemented for high consequence dangerous goods?	S/E	ADR/RID, 1.10	

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / WW = Water)

Attachment 19

TRAINING – C9. OBLIGATIONS OF THE SHIPPER, CONSIGNOR, CARRIER AND CONSIGNEE

Training - C.9. Obligations of the Shipper, Consignor, Carrier and Consignee

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 9.1	Are measurements in place and complied with in case radiation limits are exceeded?	S/E	ADRRID, 1.7.6.1	Develop emergency response plans according to USAFEI 23-104, para 9.10 or comply with local response plans, if available
<input type="checkbox"/> 9.2	Is there an investigation on the cause of exceeding radiation limits?	S/E	ADRRID, 1.7.6.1	Develop emergency response plans according to USAFEI 23-104, para 9.10 or comply with local response plans, if available
<input type="checkbox"/> 9.3	Are the competent authorities and the IDGA/CDGA informed when radiation limits are exceeded?	S/E	ADRRID, 1.7.6.1	In the event of a non-compliance with any limit in ADR applicable to radiation level or contamination, contact EBA (Eisenbahnbundesamt) or zuständige Landesbehörden (i.e. Rheinland-Pfalz = Ministerium fuer Wirtschaft, Verkehr, Landwirtschaft und Weinbau) via IDGA Office
<input type="checkbox"/> 9.4	Is a routing requested and provided?	S	GGVSEB, § 35 & USAFEI 24-201, Chap 3	All DG shipped in the EMCS require a transportation release (TMR) issued by MCT. Routing IAW § 35 may be requested at the same time. Shipper/Consignors shall issue TMR requests to TMO or MCT (USAFEI 24-201, Chapter 3). Once released routing permission shall be issued to carrier.
<input type="checkbox"/> 9.5	Are the proper certificates of competent authorities available?	S	ADR, 1.5.1	Shipper/Consignor ensures waivers IAW § 5, GGVSEB are issued to Carrier prior to movement of DG (Ref. GGVSEB, § 5 (1), (6) or (7))
<input type="checkbox"/> 9.6	Is a Security Plan implemented for high risk dangerous goods/hazardous waste?	S/E	ADRRID, 1.10	ADR, 1.10 - for the purposes of this Chapter, security means measures or precautions to be taken to minimize theft or misuse of dangerous goods that may endanger persons, property or the environment. If threshold limits specified in Table 1.10.5, ADR are exceeded, a security plan must be developed and personnel be trained according to the contents of the plan.
<input type="checkbox"/> 9.7	Is the shipping mode permit available from the competent authority?	S		Comply with EMCS - Shipper requests TMR thru MCT
<input type="checkbox"/> 9.8	Are the provisions concerning carriage in packages observed?	S	ADR, 7.2	Provisions concerning the carriage in packages (Chap 7.2 + Table A, Column (16))

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 20

TRAINING – C10. OBLIGATIONS OF THE UNLOADER

Training - C.10. Obligations of the Unloader

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/> 10.1	See USAFEI 23-104 for Definition and Duties	S/E	USAFEI 23-104, Para 8.12	
<input type="checkbox"/> 10.2	Is the load protected from exposure to sun, external heat sources, and is the off-loading area sufficiently vented	S	ADR, 3.3.1 SP 314(b)	DG assigned to Special Provision 314 shall be protected from direct sunlight and all sources of heat and be placed in adequately ventilated areas.
<input type="checkbox"/> 10.3	Is the non-smoking rule, prohibition of open fire rule, obeyed?	S/E	ADR, 7.5.9, 8.3.5, 7.5.11 (CV 2(2)), 8.5 (S1(3))	Smoking, the use of fire or naked flame may be prohibited on vehicles carrying DG and in their vicinity and during the loading and unloading of these substances and articles - as directed in Parts 7 and 8, ADR and according to special provisions assigned to DG
<input type="checkbox"/> 10.4	Are all safety rules applicable to off-loading and handling of HM/DG/HW complied with?	S/E		see OSHA instructions for 'other' safety rules that may apply on the installation
<input type="checkbox"/> 10.5	Are the correct shipments off-loaded?	S/E	ADR/RID, 1.4.3.7.1 a)	Ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the package, tank etc.
<input type="checkbox"/> 10.6	Is hazardous residue removed and cleaned up?	S/E	ADR/RID, 1.4.3.7.1 d(i)	
<input type="checkbox"/> 10.7	Are all closing devices properly secured?	S/E	ADR/RID, 1.4.3.7.1 d(ii)	Tank / Tank-vehicles
<input type="checkbox"/> 10.8	Are hazard placards and warning plates removed if completely off-loaded, or adjusted, if partially off-loaded?	S/E	ADR/RID, 1.4.3.7.1 f)	Ensure that the containers once completely unloaded and decontaminated, no longer display danger markings conforming to Chapter 5.3 and 5.5.2.3.4
<input type="checkbox"/> 10.9	Are fire fighting instructions complied with and is firefighting equipment available?	S/E	USAFEI 23-104, Table A4.1	see OSHA instructions

Training - C.10. Obligations of the Unloader

* No.	Function (Ref.: Table A4.1, USAFEI 23-104)	Mode**	Reference	Description (in short)
<input type="checkbox"/>			USAFEI 23-104; Para 6.2, 6.3 & Atch 2 (Table A.4)	
10.10	Are instructions in place to report accidents/incidents to the UDGM/DGA?	S/E		IAW Unit Operating Instructions
<input type="checkbox"/>	Are precautions against electrostatic charges in place?	S	ADR, 7.5.10 & 8.5 (S2, (3))	Electrical connection from the chassis of the vehicle, portable tank or tank-container to earth (prior to be filled or emptied)
<input type="checkbox"/>	Are precautions against the use of combustion heaters during loading or unloading in place?	S	ADR, 8.5 (S2, (2))	The operation of combustion heaters of vehicles of type FL (see Part 9) is forbidden during loading and unloading and at loading sites.
<input type="checkbox"/>				The unloading shall not be carried out, if inspections according to 7.5.1.2 reveal deficiencies that might affect the safety or the security of the unloading. During loading and unloading, packages containing dangerous goods shall be protected from being damaged.
<input type="checkbox"/>	Are procedures in place to ensure safe downloading in case packages, tanks or vehicles are heavily damaged?	S/E	ADR/RID, 1.4.3.7.1 b)	Comply with special provisions for fumigated vehicles, containers and tanks. Remove fumigation warning signs on vehicles, containers and tanks after disposal of any residual fumigant.
<input type="checkbox"/>	Are regulations concerning fumigated transport assets obeyed?	S/E	ADR/RID, 5.3; 5.5.2.1 & 5.5.2.3.4	
<input type="checkbox"/>	Are the transport assets cleaned, drained, purged, decontaminated, as applicable, after off loading?	S/E	ADR, 1.4.3.7.1	

* (X training subjects as applicable)

** (S = Road / E = Rail / A = Air / W = Water)

Attachment 21
TRAINING FORM

TRAINING OF PERSONS INVOLVED IN THE CARRIAGE OF DANGEROUS GOODS (Ref.: USAFEI 23-104, USAFE Command Dangerous Goods Program, ADR and 49CFR)		
	Trainee:	Instructor:
Name:		
First Name, MI:		
Unit (Office Symbol):		
DOB:		
Rank		
A. General Awareness Training		
<input type="checkbox"/>	1. Modes of Transportation	
<input type="checkbox"/>	2. Legal basis of dangerous goods (DG) movements in Europe and specific to country of U.S. base	
<input type="checkbox"/>	3. National and international dangerous goods policies	
<input type="checkbox"/>	4. Military regulations	
<input type="checkbox"/>	5. The participants in the carriage of DG; unit (internal) responsibility	
<input type="checkbox"/>	6. Principles of classification; DG classes, Packaging Groups, UN-Numbers, Proper Shipping Names; In particular, Class:.....	
<input type="checkbox"/>	7. Class 1 specific provisions	
<input type="checkbox"/>	8. Class 7 specific provisions	
<input type="checkbox"/>	9. Hazardous Waste	
<input type="checkbox"/>	10. Requirements concerning the supervision of vehicles	
<input type="checkbox"/>	11. National and multilateral waivers	
<input type="checkbox"/>	12. Exemptions based on mode of transportation	
<input type="checkbox"/>	13. Other:.....	
B. Safety Training		
<input type="checkbox"/>	1. Hazardous properties of dangerous goods/hazardous wastes; In particular, Class:.....	
<input type="checkbox"/>	2. Marking and labelling of dangerous goods; meaning of danger labels/markings	
<input type="checkbox"/>	3. Principles of load securing	
<input type="checkbox"/>	4. General measures to be taken in case of an accident or emergency	
<input type="checkbox"/>	5. Actions to be taken in the event of an accident or emergency (according to 'Written Instructions')	
<input type="checkbox"/>	6. Accident / Incident Reporting	
<input type="checkbox"/>	7. Miscellaneous equipment for personal and general protection	
<input type="checkbox"/>	8. Fire-fighting equipment	
<input type="checkbox"/>	9. Additional operation requirements relating to particular classes or substances	
<input type="checkbox"/>	10. Additional loading, unloading and handling provisions applicable to classes of specific goods	
<input type="checkbox"/>	11. Special provisions concerning the carriage in packages or bulk	
<input type="checkbox"/>	12. Hazardous Material Emergency Response Plan (KMC)	
<input type="checkbox"/>	13. Comprehensive Emergency Management Program (KMC)	
<input type="checkbox"/>	14. Pollution Prevention Management Plan (86 AW)	
<input type="checkbox"/>	15. Other:.....	
(X as applicable)		

TRAINING OF PERSONS INVOLVED IN THE CARRIAGE OF DANGEROUS GOODS (Ref.: USAFEI 23-104, USAFE Command Dangerous Goods Program, ADR and 49CFR)	
C. Function Specific Training	
<input type="checkbox"/>	1. Obligations of the Ordering Party of the Shipper
<input type="checkbox"/>	2. Obligations of the Shipper/Consignor
<input type="checkbox"/>	3. Obligations of the Driver
<input type="checkbox"/>	4. Obligations of the Carrier
<input type="checkbox"/>	5. Obligations of the Loader
<input type="checkbox"/>	6. Obligations of the Packer
<input type="checkbox"/>	7. Obligations of the Filler
<input type="checkbox"/>	8. Obligations of the Consignee
<input type="checkbox"/>	9. Obligations of Shipper, Consignor, Carrier and Consignee
<input type="checkbox"/>	10. Obligations of the Unloader
<input type="checkbox"/>	11. Obligations of the Vehicle Owner
<input type="checkbox"/>	12. Obligations of the DGA
<input type="checkbox"/>	13. Obligations of Units using/consuming DG
<input type="checkbox"/>	14. Obligations of the Hazmat Pharmacy, DG/HW Storage Area
D. Security Awareness Training	
<input type="checkbox"/>	Security awareness training (to be provided to employees within 90 days of employment)
E. In-depth Security Training	
<input type="checkbox"/>	Training according to the objectives of the security plan and employee's responsibilities
F. Radiation Protection Training (Class 7)	
<input type="checkbox"/>	Training concerning radiation protection including precautions relating to occupational exposure
G. Training of the vehicle crew	
<input type="checkbox"/>	Training of persons other than the drivers holding a certificate in accordance with Section 8.2.1, ADR
H. Other	
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>	I. Initial Training
<input type="checkbox"/>	J. Refresher Training
<div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div> (Signature of Instructor) </div> <div> (Location, Date) </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div> (Signature of Trainee)* <small>*confirming receipt of training</small> (X as applicable) </div> <div> (Location, Date) </div> </div>	

Attachment 22

CHART OF UNITS AT RAMSTEIN AB INCLUDING GSU'S

Units stationed on Ramstein AB (incl. assigned GSUs)*

Ref.: USAFEI 23-104 (Para)	86 CEG	86 CES	786 CES	86 LRG	86 LRS	86 MMS	86 MUNS	86 VRS	86 MDG	86 AMSD	86 DS	86 MDS	86 MDOS	86 MDSS	86 MSG	86 CS	86 SFS	786 FSS	86 MXG	86 AMXS	86 MOS	86 MXS	86 OG	37 AS	76 AS	86 AES	309 AS	496 ABS	435 ACOMG	1 ACOS	1 CBCS	1 CMXS	435 CRG	435 AMS	435 CTS	435 SFS	4 ASOG	Del 3 WPC	721 APS	721 AMS		
	UDGA (6.)	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ordering Party of the Shipper (8.2)																																										
Shipper (8.3)																																										
Consignor (8.4)																																										
Transshipper (8.5)																																										
Certifier (8.6)	X																																									
Carrier (8.7)																																										
Driver (8.8)	X	X	X																																							
Consignee (8.9)																																										
Loader (8.10)																																										
Filler (8.11)																																										
Unloader (8.12)																																										
Packer (8.13)																																										
Receiver (8.14)																																										
HW SA/AP (8.15)	X	X																																								
HM Pharmacy (8.15)																																										
Units using/consuming HM (8.16)	X	X																																								
Duties of several participants (8.17)																																										

NOTE: *Units stationed on Ramstein AB and GSUs assigned to 86AW/435AGOW with responsibilities described in the USAFE Command Dangerous Goods Program (see Para 1.2, RAB1)

Attachment 23

GENERAL COMPLIANCE IDGA CHECKLIST

IDGA Checklist

General Compliance with the USAFE Command Dangerous Goods Program

Item No.	Item	Reference	Yes	No	N/A
1.	General				
1.1	Have Unit DGAs been trained and appointed?	USAFEI 23-104, Para 5.1			
1.2	Have DG Certifiers been trained and appointed to certify consignments for transportation?	USAFEI 23-104, Para 5.1			
1.3	Has unit commander received DG/HW awareness training within 90 days of assumption of duties?	USAFEI 23-104, Para 5.1 and Para 6.2.1.2 of this RABI			
1.4	Does the unit maintain a DG library relevant to the mission?	USAFEI 23-104, Para 5.6			
2.	Documentation/Reports				
2.1	Is training provided to personnel executing DG duties documented and filed?	USAFEI 23-104, Para 6.4 and Para 6.5 of this RABI			
2.2	Does the unit maintain a list of trained and appointed personnel assigned to the unit, and is the data submitted as changed occur?	USAFEI 23-104, Para 6.4			
2.3	Are monitoring duties documented in the format provided on USAFE Form 63?	USAFEI 23-104, Para 6.5			
2.4	Was dangerous goods data compiled as described on USAFE Form 60, <i>Command / Installation Dangerous Goods Advisor Annual Report</i> and reported to IDGA NLT 15 Dec?	USAFEI 23-104, Para 6.3			
2.5	Is the USAFE Form 61 used to document and report incidents/accidents or serious infringements during the loading, transport and unloading of DG/HW?	USAFEI 23-104, Para 5.3 and 6.3			

Item No.	Item	Reference	Yes	No	N/A
2.6	Does the Unit DGA maintain records and documents on file for at least 5 years or as directed by other regulations?	USAFEI 23-104, Para 5.6			
3.	Procedures / Instructions				
3.1	Has the Unit DGA developed procedures and unit instructions concerning load securing and the safe movement of DG/HW in line with USAFEI 23-104 and applicable DoD and Host Nation DG/HW rules?	USAFEI 23-104, Para 6.2			
3.2	Have procedures and instructions been coordinated with IDGA prior to implementation?	USAFEI 23-104, Para 6.2			
3.3	Are emergency response plans available to ensure maximum safety during the loading, unloading and removing of DG in case of an incident/accident?	USAFEI 23-104, Para 6.2			
3.4	Has a copy of the response plan been issued to the IDGA office for review?	USAFEI 23-104, Para 6.2			
3.5	Are Security Plans implemented for DG defined as High Consequence Items?	USAFEI 23-104, Para 2.6, 3.6, 8.4.3 and Chap 4 of this Instruction			
3.6	Are proper checklists available to ensure compliance with DG/HW movement regulations?	USAFEI 23-104, Para 4.2, 6.1 and Chap 9 of this Instruction			
3.7	Does the Unit DGA maintain MSDSs for DG/HW consumed/disposed by the unit?	USAFEI 23-104, Para 8.16			
4.	Training (by UDGA)				
4.1	Does Unit DGA provide annual update training to personnel involved in handling, certifying and movement of DG/HW?	USAFEI 23-104, Para 6.4 and Para 6.3 and 6.5 of this instruction			

Item No.	Item	Reference	Yes	No	N/A
4.2	Does Unit DGA ensure security training according to DTR 4500.9-R, Part II, Chapter 205, Para X, AFI 32-7086, Chap 2.7, CFR 49 Subpart H and mode specific security regulations is provided to personnel involved?	USAFEI 23-104, Para 6.4 and Para 6.2.5 and 6.5 of this instruction			
4.3	Has other responsible personnel (e.g. drivers, packers, loaders/fillers) been trained and appointed for executing DG duties?	USAFEI 23-104, Para 5.1 and Para 6.3 and 6.5 of this instruction			
5.	Vehicles				
5.1	Are only ECIP compliant vehicles and tank used for the carriage of DG/HW?	USAFEI 23-104, Para 5.2			
5.2	Are T-9 documents, <i>ADR Certificate of Approval for Vehicles</i> (HVCP) current?	USAFEI 23-104, Para 5.2 and Atch 7			
5.3	Are proper tank records on file (for tank vehicles carrying flammable liquids)?	USAFEI 23-104, Para 5.2			

Attachment 24

CONTENTS OF THE UNIT DGA BINDER

Contents of the Unit DGA Binder

Table of Contents			
Cover			UDGA Binder - Table of Contents
Tab	A		Instructions
Sub-Tab	A1	*	Copy of USAFEI23-104
Sub-Tab	A2	*	Copy of RAB Instruction
Sub-Tab	A3		Inventory of DG Library (referencing title, number, date of issue and file location)
Tab	B		Appointment Orders
Sub-Tab	B1		Appointment Order of UDGA (USAFE Form 66)
Sub-Tab	B2		Appointment Order of Certifier - Mode Air (USAFE Form 67A)
Sub-Tab	B3		Appointment Order of Certifier - Mode Surface (USAFE Form 67B)
Tab	C		Reports
Sub-Tab	C1		List of trained and appointed personnel assigned to the unit
Sub-Tab	C2		Annual DG Report (USAFE Form 60)
Sub-Tab	C3		Accident Report (USAFE 61)
Sub-Tab	C4		Completion of Annual Refresher Training
Sub-Tab	C5		List of ADR Certified Vehicles (copies of ADR certificates and tank records)
Sub-Tab	C6		Monitoring Report (USAFE Form 63)
Sub-Tab	C7		DG/HW Inventory by MSDS (HM consumed by the unit)
Sub-Tab	C8		Miscellaneous
Tab	D		Unit Procedures & Instructions
Sub-Tab	D1	*	Unit Compliance Checklists
Sub-Tab	D2	*	Instructions and procedures concerning load securing and safe movement of DG/HW
Sub-Tab	D3	*	Emergency Procedures in case of an incident/accident
Sub-Tab	D4	*	Security Plan
Tab	E		Training of Persons involved in the Carriage of Dangerous Goods (RAB Form XX)
<p>Note: (*) Files may be automated; please place a cross-reference sheet in that section identifying location of e-file or computer link</p>			